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Ohio
Labor
Market
Information

Labor Market Review

September 1989

Summary. The seasonally adjusted unemployment rate in Ohio rose from 4.8 percent in August to 5.0 percent in September. Nationwide, the rate was 5.3 percent in September, up from 5.2 percent in August. Total employment in Ohio, at an all-time high of 5,216,000, was up 7,000 from August. Total unemployment rose 15,000 to 275,000. Gains in nonmanufacturing employment were negated by decreases in manufacturing industries, leaving seasonally adjusted nonagricultural payroll employment virtually unchanged from August at 4,808,000. (See page 3.)

Factory Employment. Manufacturing employment in Ohio declined 2,000 from August to 1,105,000 in September. Losses in transportation equipment were mainly responsible for durable-goods employment falling 3,000 to 745,000. Nondurable-goods employment, at 361,000, was up 1,000 from August due to an increase in food and kindred products.

Nonmanufacturing. Despite a decrease of 5,000 in government, Ohio's nonmanufacturing employment rose 3,000 from August to 3,702,000 in September. Employment in services increased 4,000. Construction, wholesale trade, retail trade, and finance, insurance, and real estate each added 1,000 jobs. There was no change in employment in mining or in transportation and public utilities.

Over the Year. The unemployment rate in Ohio fell from 5.8 percent in September 1988 to 5.0 percent in September 1989. The U.S. rate slipped from 5.4 percent to 5.3 percent over the year. Ohio's total employment increased 212,000 from September 1988. There were 32,000 fewer unemployed Ohioans in September 1989 than in September 1988. Nonfarm wage and salary employment rose 116,000 from September 1988. Services gained 50,000, while retail trade was up 32,000. Notable growth also occurred in construction, which was up 14,000. Small advances in both durable- and nondurable-goods industries boosted manufacturing employment 2,000.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $528.15 in September, up $13.27 from August. Their average workweek increased .7 hours to 42.8 hours. Nearly all industries had increased earnings due to more overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, miscellaneous plastics products, and iron and steel foundries.

Benefits and Costs. In September, there were 44,673 initial claims filed under the Ohio Unemployment Compensation Law, down 12.0 percent from August, but up 24.0 percent from September 1988. The average benefit check of $161.09 increased $1.41. Total benefits paid fell 18.9 percent to $34.9 million. The average weekly number of benefit recipients, at 53,978,

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

was down 9.7 percent from August. At the end of September there were 204,610 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,204 new job applicants in September, down 26.3 percent from August, and down 11.9 percent from September of 1988. Job openings received from employers dropped 74.4 percent from August to 11,497. The Employment Services Division made 25,216 job referrals and 5,770 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Labor Force Projections, 1985-1995

Ohio Labor Force Projections, 1985-1995, a new publication from the Labor Market Information Division, presents an analysis of the work force expected to be available in Ohio in 1995 and compares it to earlier years. According to the report, employment will increase by an average of about 46,000 each year, while the labor force will grow by about 25,500 workers. Ohio's unemployment rate may fall as new jobs are filled by unemployed workers, and employers may experience increasing difficulty in finding workers.

The labor force in the State is growing at a slower rate than in the past, with smaller numbers of younger and older workers and larger numbers of women and minority workers, according to the new report.

Highlights of the projections include the following:

- ☐ Ohio's labor force growth will slow to about 5.0 percent between 1985 and 1995, compared to 8.8 percent for the previous decade. The number of persons in the labor force will increase by about 255,000.
- ☐ The number of 16 to 24 year old workers in the labor force will drop by about 176,000 between 1985 and 1995 reflecting the decrease in births after the end of the "baby boom" in the 1960's.
- ☐ The number of Ohio workers aged 55 and older will drop by 149,000 between 1985 and 1995, reflecting a small decline in the population in this age group and a trend toward earlier retirement, especially by men.
- ☐ The number of "prime-aged" workers, those aged 25 to 54, will increase sharply as the "baby-boom" generation completes its move into this age group. These workers will make up nearly three-fourths of Ohio's labor force by 1995, compared to about two-thirds in 1985.
- ☐ The number of women workers will continue to grow. In 1995, women will comprise nearly 47 percent of Ohio's work force, up from 43.5 percent in 1985. Labor force participation of women will continue to rise; by 1995, more than 57 percent of Ohio's women will be in the work force.
- ☐ An increasing share of Ohio's workers will be minorities. By 1995, nonwhite workers are expected to make up 11.7 percent of Ohio's work force, compared with 10.5 percent in 1985. The number of minority workers will grow faster than the number of white workers because of faster population growth and increasing labor force participation. Nonwhite women will be the fastest growing group in the work force, experiencing a 23.0 percent change over the decade. The number of white men in the laborforce is expected to decline.

The labor force projections are based on population projections prepared by the Ohio Department of Development, and analysis of trends in labor force participation in Ohio and nationally. National labor force projections published by the U.S. Bureau of Labor Statistics aided in the analysis. In addition to statewide data, the report presents labor force projections for Ohio's eight large metropolitan areas. Projections are available on request for local Job Training Partnership Act (JTPA) Service Delivery Areas. Projections of the number and types of jobs expected in Ohio's economy in 1995 were released by OBES last year and area available by request.

Copies of the complete report are available on request from the OBES Labor Market Information Division at (614) 644-2689.

Ohio Labor Force Projections by Age
(thousands)

Age	1985	Percent Distribution	1995	Percent Distribution	Change 1985-1995	Percent Change
Total Labor Force	5,139	100.0	5,394	100.0	255	5.0
16-24	1,062	20.7	886	16.4	-176	-16.6
25-34	1,514	29.5	1,494	27.7	-20	-1.4
35-44	1,113	21.7	1,506	27.9	393	35.3
45-54	761	14.8	970	18.0	209	27.4
55-64	570	11.1	452	8.4	-118	-20.7
65 and older	118	2.3	87	1.6	-31	-26.5

Ohio Labor Force Projections by Sex and Race
(thousands)

Sex and Race	1985	Percent Distribution	1995	Percent Distribution	Change 1985-1995	Percent Change
Total Labor Force	5,139	100.0	5,394	100.0	255	5.0
White	4,601	89.5	4,764	88.3	163	3.5
Nonwhite	538	10.5	629	11.7	91	16.9
Male Labor Force	2,904	56.5	2,877	53.3	-27	-0.9
White	2,634	51.3	2,577	47.8	-57	-2.2
Nonwhite	270	5.3	298	5.5	28	10.4
Female Labor Force ...	2,235	43.5	2,517	46.7	282	12.6
White	1,967	38.3	2,188	40.6	221	11.2
Nonwhite	269	5.2	331	6.1	62	23.0

Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	September 1989	**August 1989**	**September 1988**	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,491	5,469	5,311	22	180	0.4	3.4
Employment	5,216	5,209	5,004	7	212	0.1	4.2
Unemployment	275	260	307	15	-32	5.8	-10.4
Unemployment Rate	5.0	4.8	5.8				
Employer Survey Data[e]							
Total	4,808	4,807	4,691	0	116	0.0	2.5
Manufacturing	1,105	1,108	1,103	-2	2	-0.2	0.2
Durable Goods	745	748	743	-3	1	-0.4	0.2
Nondurable Goods	361	360	359	1	1	0.2	0.3
Nonmanufacturing	3,702	3,700	3,589	3	114	0.1	3.2
Mining	20	20	19	0	0	-0.3	1.4
Construction	197	197	184	1	14	0.3	7.5
Transportation and Public Utilities	215	215	212	0	2	-0.2	1.2
Wholesale Trade	264	263	256	1	7	0.2	2.8
Retail Trade	912	910	880	1	32	0.2	3.6
Finance, Insurance, and Real Estate	257	256	251	1	6	0.3	2.5
Services	1,144	1,140	1,095	4	50	0.4	4.6
Government	694	698	691	-5	2	-0.7	0.3
Goods Producing Industries[f]	1,322	1,324	1,306	-2	17	-0.1	1.3
Service Producing Industries[g]	3,485	3,483	3,386	2	100	0.1	2.9

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

[b] Changes are computed from unrounded numbers.

[c] Percentages are computed from unrounded numbers.

[d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

[e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

[f] Includes Mining, Construction, and Manufacturing.

[g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rates			Total Nonagricultural Employment			
							Manufacturing Employment		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1987				
5,213	4,921	292	5.6	5.9	September	4,596	1,101	743	358
5,231	4,910	321	6.1	6.0	October	4,617	1,105	745	360
5,270	4,946	324	6.1	5.9	November	4,631	1,106	746	360
5,279	4,949	330	6.3	5.8	December	4,650	1,110	748	362
					1988				
5,324	4,981	343	6.4	5.8	January	4,637	1,104	744	360
5,355	5,014	341	6.4	5.7	February	4,644	1,103	743	359
5,369	4,974	395	7.4	5.6	March	4,653	1,097	737	360
5,301	4,970	331	6.2	5.5	April	4,656	1,101	742	360
5,284	4,960	324	6.1	5.6	May	4,661	1,100	742	359
5,306	4,994	312	5.9	5.4	June	4,671	1,102	742	360
5,294	5,004	290	5.5	5.4	July	4,676	1,101	742	359
5,329	5,028	301	5.6	5.6	August	4,680	1,100	741	358
5,311	5,004	307	5.8	5.4	September	4,691	1,103	743	359
5,349	5,049	300	5.6	5.3	October	4,704	1,105	746	360
5,366	5,059	307	5.7	5.4	November	4,721	1,110	750	361
5,355	5,060	295	5.5	5.3	December	4,733	1,111	750	362
					1989				
5,426	5,094	332	6.1	5.4	January	4,764	1,122	757	364
5,432	5,152	280	5.2	5.1	February	4,772	1,118	754	364
5,428	5,144	284	5.2	5.0	March	4,777	1,114	751	363
5,381	5,093	288	5.4	5.3	April	4,778	1,110	748	362
5,434	5,138	296	5.4	5.2	May	4,780	1,107	747	360
5,490	5,183	307	5.6	5.3	June	4,786	1,107	746	361
5,450	5,157	293	5.4	5.2	July	4,787	1,100	740	359
5,469	5,209	260	4.8	5.2	August	4,807	1,108	748	360
5,491	5,216	275	5.0	5.3	September	4,808	1,105	745	361

Nonmanufacturing Employment

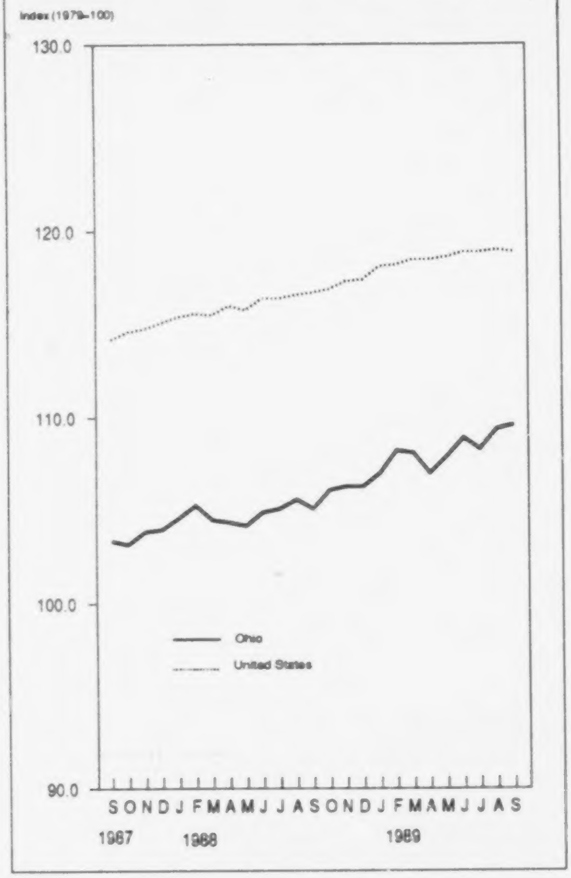
(in thousands)

Total Nonmanu-facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1987				
3,495	20	177	209	249	September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
					1988				
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
					1989				
3,642	19	196	213	259	January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,672	19	196	214	261	May	902	255	1129	696
3,679	20	197	214	261	June	906	255	1132	694
3,688	17	197	214	262	July	908	255	1136	698
3,700	20	197	215	263	August	910	256	1140	698
3,702	20	197	215	264	September	912	257	1144	694

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review.*

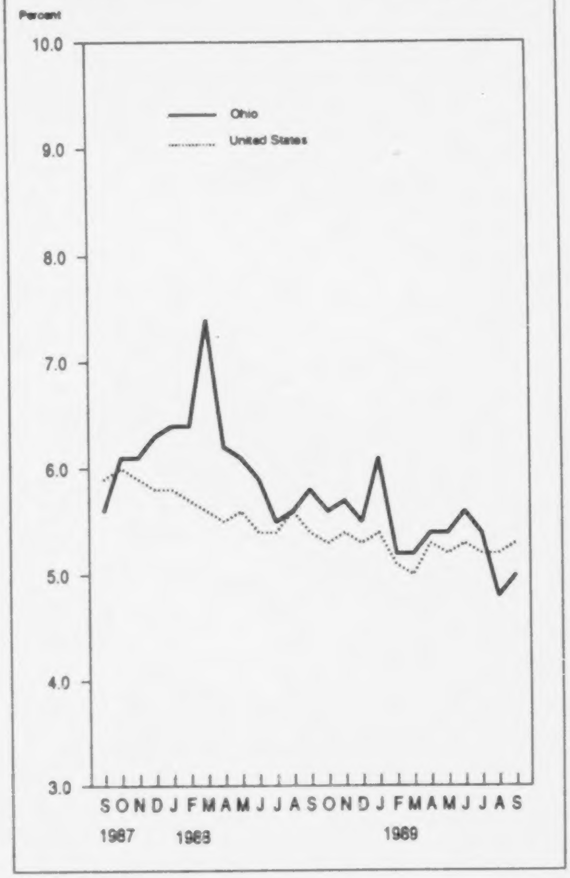
Indexes of Total Employment

Ohio and U.S. (Seasonally Adjusted)



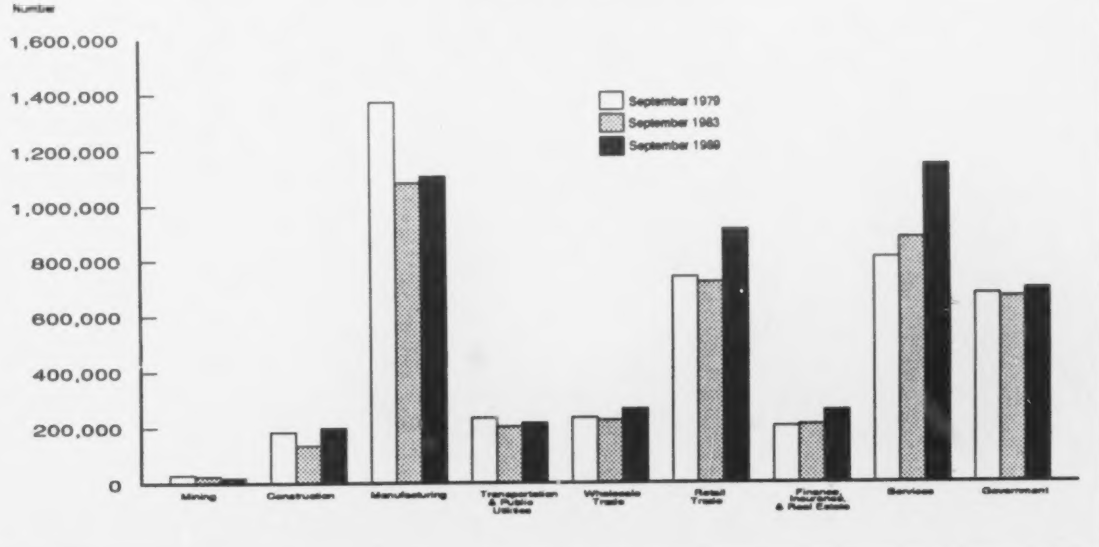
Unemployment Rates

Ohio and U.S. (Seasonally Adjusted)



Employment in Division-Level Industries

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rates	
	Total	Employed	Unemployed	Ohio	U.S.
1978	4,959	4,690	268	5.4	6.1
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,232	4,806	425	8.1	7.0
1987	5,254	4,887	367	7.0	6.2
1988	5,328	5,008	320	6.0	5.5
1988					
September	5,287	4,985	302	5.7	5.2
October	5,365	5,087	278	5.2	5.0
November	5,400	5,113	287	5.3	5.2
December	5,352	5,066	286	5.4	5.0
1989					
January	5,384	5,015	369	6.9	6.0
February	5,380	5,063	317	5.9	5.6
March	5,375	5,068	307	5.7	5.2
April	5,357	5,085	273	5.1	5.1
May	5,419	5,143	277	5.1	5.0
June	5,537	5,216	321	5.8	5.5
July	5,526	5,248	277	5.0	5.3
August	5,517	5,257	261	4.7	5.1
September	5,460	5,192	269	4.9	5.1

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

	Total Nonagricultural Employment			
		Manufacturing Employment		
			Durable	Nondurable
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382 3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,582.6	1,098.9	740.4	358.4
1988	4,683.0	1,103.1	743.6	359.6
1988				
September	4,731.7	1,110.5	745.6	364.9
October	4,757.7	1,110.3	747.8	362.5
November	4,834.7	1,115.7	753.3	362.3
December	4,781.8	1,115.1	752.5	362.6
1989				
January	4,669.0	1,112.2	751.4	360.8
February	4,671.4	1,107.3	747.9	359.4
March	4,707.6	1,106.9	748.1	358.8
April	4,761.0	1,107.1	748.4	358.7
May	4,811.3	1,107.5	748.7	358.8
June	4,831.8	1,112.5	750.8	361.7
July	4,791.5	1,099.6	739.6	360.0
August	4,807.2	1,109.4	746.3	363.1
September	4,848.5	1,112.9	747.0	365.9

Nonmanufacturing Employment

(in thousands)

	Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1978	3,017.7	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
1982	3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
1983	3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
1984	3,133.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	655.2
1985	3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
1986	3,361.6	22.6	160.7	203.4	244.3	818.6	232.3	1,001.0	678.9
1987	3,483.7	20.9	176.4	207.8	248.0	848.3	243.8	1,051.2	687.3
1988	3,579.8	19.5	183.6	211.5	254.3	876.5	249.8	1,087.8	696.8
1988									
September	3,621.2	19.8	202.0	214.8	256.5	888.2	251.8	1,109.8	678.3
October	3,647.4	19.8	203.0	215.0	258.4	891.8	252.1	1,105.1	702.2
November	3,719.0	19.7	197.4	214.7	258.5	906.0	252.1	1,102.1	768.5
December	3,666.6	19.5	188.0	215.3	259.1	921.4	252.4	1,101.0	710.0
1989									
January	3,556.9	18.9	167.0	206.7	256.9	877.0	250.3	1,083.4	694.5
February	3,564.1	18.6	162.2	208.5	256.9	867.2	250.8	1,091.8	708.0
March	3,600.8	18.7	170.8	209.7	257.8	876.3	251.5	1,103.0	712.9
April	3,653.9	19.0	184.7	212.8	259.7	889.8	253.1	1,125.5	709.3
May	3,703.7	19.2	197.0	214.3	261.3	904.2	254.6	1,138.7	714.4
June	3,719.4	19.8	206.5	216.0	263.1	912.5	257.0	1,149.9	694.5
July	3,692.0	17.0	215.0	216.0	263.8	913.8	258.5	1,151.2	656.5
August	3,697.8	20.1	218.0	217.0	263.8	918.6	259.0	1,152.6	648.7
September	3,735.6	20.1	217.2	217.3	263.8	920.0	258.1	1,159.2	679.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,377.2	974.5	402.7	**1978**	985.5	$302.5	41.5
1,362.3	980.5	401.8	**1979**	979.0	318.5	40.6
1,264.3	882.6	381.8	**1980**	867.8	301.9	35.2
1,232.6	860.4	372.2	**1981**	847.7	330.4	34.7
1,099.9	752.4	347.5	**1982**	735.7	297.1	29.5
1,066.0	723.6	342.4	**1983**	721.6	315.4	29.9
1,127.0	773.4	353.6	**1984**	781.5	362.3	33.1
1,124.3	768.7	355.5	**1985**	773.4	369.7	32.5
1,109.8	752.7	357.1	**1986**	758.5	369.1	31.9
1,098.9	740.4	358.4	**1987**	751.4	375.5	32.0
1,103.1	743.6	359.6	**1988**	759.1	391.7	32.6
			1988			
1,110.5	745.6	364.9	**September**	765.9	399.6	33.2
1,110.3	747.8	362.5	**October**	765.5	400.4	33.1
1,115.7	753.3	362.3	**November**	771.1	410.1	33.7
1,115.1	752.5	362.6	**December**	770.1	411.5	33.7
			1989			
1,112.2	751.4	360.8	**January**	766.2	404.1	33.1
1,107.3	747.9	359.4	**February**	762.0	400.1	32.8
1,106.9	748.1	358.8	**March**	761.4	400.2	32.7
1,107.1	748.4	358.7	**April**	761.4	397.0	32.5
1,107.5	748.7	358.8	**May**	761.1	397.5	32.5
1,112.5	750.8	361.7	**June**	764.1	402.9	32.8
1,099.6	739.6	360.0	**July**	750.5	383.3	31.5
1,109.4	746.3	363.1	**August**	759.9	391.3	32.0
1,112.9	747.0	365.9	**September**	764.2	403.6	32.7

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manu- facturing	Durable Goods	Nondurable Goods		Manu- facturing	Durable Goods	Nondurable Goods		Manu- facturing	Durable Goods	Nondurable Goods
$306.91	$316.83	$279.30	**1978**	42.1	42.3	41.5	**1978**	$ 7.29	$ 7.49	$ 6.73
325.36	335.30	297.78	**1979**	41.5	41.6	41.1	**1979**	7.84	8.06	7.25
347.94	358.57	319.99	**1980**	40.6	40.7	40.2	**1980**	8.57	8.81	7.96
389.78	401.64	358.16	**1981**	40.9	40.9	40.7	**1981**	9.53	9.82	8.80
403.81	414.80	378.95	**1982**	40.1	40.0	40.4	**1982**	10.07	10.37	9.38
437.18	452.35	402.52	**1983**	41.4	41.5	41.2	**1983**	10.56	10.90	9.77
463.61	482.38	417.83	**1984**	42.3	42.5	41.7	**1984**	10.96	11.35	10.02
477.96	499.56	425.80	**1985**	42.0	42.3	41.3	**1985**	11.38	11.81	10.31
486.68	507.95	439.71	**1986**	42.1	42.4	41.6	**1986**	11.56	11.98	10.57
499.70	519.52	455.03	**1987**	42.6	42.9	41.9	**1987**	11.73	12.11	10.86
516.00	538.59	465.47	**1988**	43.0	43.4	42.2	**1988**	12.00	12.41	11.03
			1988				**1988**			
521.77	545.38	469.63	**September**	43.3	43.7	42.5	**September**	12.05	12.48	11.05
523.06	546.69	467.84	**October**	43.3	43.7	42.3	**October**	12.08	12.51	11.06
531.83	557.80	472.43	**November**	43.7	44.2	42.6	**November**	12.17	12.62	11.09
534.36	557.80	479.62	**December**	43.8	44.2	42.9	**December**	12.20	12.62	11.18
			1989				**1989**			
527.47	551.06	472.36	**January**	43.2	43.7	42.1	**January**	12.21	12.61	11.22
525.03	547.67	472.63	**February**	43.0	43.5	41.9	**February**	12.21	12.59	11.28
525.53	549.41	470.50	**March**	42.9	43.5	41.6	**March**	12.25	12.63	11.31
521.37	542.59	473.71	**April**	42.7	43.2	41.7	**April**	12.21	12.56	11.36
522.22	543.46	471.86	**May**	42.7	43.2	41.5	**May**	12.23	12.58	11.37
527.24	546.05	480.48	**June**	42.9	43.2	42.0	**June**	12.29	12.64	11.44
510.72	526.66	472.79	**July**	42.0	42.2	41.4	**July**	12.16	12.48	11.42
514.88	530.87	476.74	**August**	42.1	42.3	41.6	**August**	12.23	12.55	11.46
528.15	544.83	489.60	**September**	42.8	42.9	42.5	**September**	12.34	12.70	11.52

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Employment

(thousands)

	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.7	151.2	62.9	66.8	91.4
1986	49.5	95.4	136.5	158.6	89.1	153.9	63.0	68.4	92.7
1987	48.4	95.8	133.1	155.2	86.7	149.0	63.1	70.5	91.9
1988	47.8	99.9	133.0	158.7	86.3	141.8	62.5	71.5	90.8
1988									
September	48.3	101.1	133.3	159.9	86.0	139.4	66.4	71.8	90.9
October	48.2	100.9	133.5	160.4	86.6	140.6	63.9	72.0	91.5
November	48.4	101.6	134.4	161.7	86.9	142.6	63.4	72.0	91.8
December	47.8	102.0	134.8	162.7	86.8	140.9	63.4	72.3	91.5
1989									
January	47.0	101.3	134.9	163.0	86.5	141.6	62.5	71.9	91.3
February	46.7	100.7	133.6	163.1	85.7	141.0	61.1	71.8	91.3
March	47.4	100.2	133.2	163.2	85.6	141.0	61.1	71.7	90.9
April	48.0	100.1	133.5	163.2	85.4	140.3	61.2	71.5	90.7
May	48.0	100.0	133.6	163.4	85.1	140.0	61.7	71.8	90.0
June	48.4	100.0	133.2	163.7	85.4	140.6	63.0	72.2	90.0
July	48.1	97.9	131.2	163.5	85.0	133.9	62.6	72.0	88.5
August	48.5	99.2	131.3	162.8	85.2	138.6	63.9	72.2	89.8
September	48.4	99.1	132.9	163.2	86.0	136.5	66.2	72.3	90.5

Average Weekly Earnings of Production Workers

	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1978	$274.81	$366.24	$307.23	$306.16	$268.45	$389.66	$281.15	$285.18	$282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1987	449.82	602.53	500.12	502.36	463.01	638.13	440.34	429.00	441.34
1988	463.30	626.44	516.77	526.48	472.50	675.24	446.04	445.22	448.24
1988									
September	470.42	632.80	517.97	530.64	474.47	698.88	446.45	452.63	453.96
October	468.47	628.60	522.97	537.14	470.12	699.79	440.37	448.33	454.14
November	473.90	639.77	531.29	545.13	477.99	717.02	452.83	449.80	459.46
December	463.01	636.55	531.73	549.70	484.65	721.82	456.89	463.65	459.72
1989									
January	462.34	629.95	520.22	551.15	481.38	702.15	441.08	445.02	460.42
February	463.49	619.89	512.40	543.22	470.40	714.48	440.18	451.61	451.93
March	465.38	621.72	511.20	545.43	466.34	724.23	449.35	454.31	442.68
April	470.98	624.34	512.48	541.11	464.26	683.99	455.20	447.70	446.69
May	464.88	620.64	515.82	538.74	462.73	691.75	455.10	446.18	453.05
June	472.01	632.19	507.53	536.36	460.37	712.80	469.79	447.30	462.03
July	472.01	605.52	499.62	521.00	448.34	676.24	462.00	449.26	447.72
August	476.87	612.14	490.69	519.78	458.97	688.97	468.00	450.45	446.04
September	472.86	619.87	509.78	534.87	456.44	733.72	470.55	471.51	461.39

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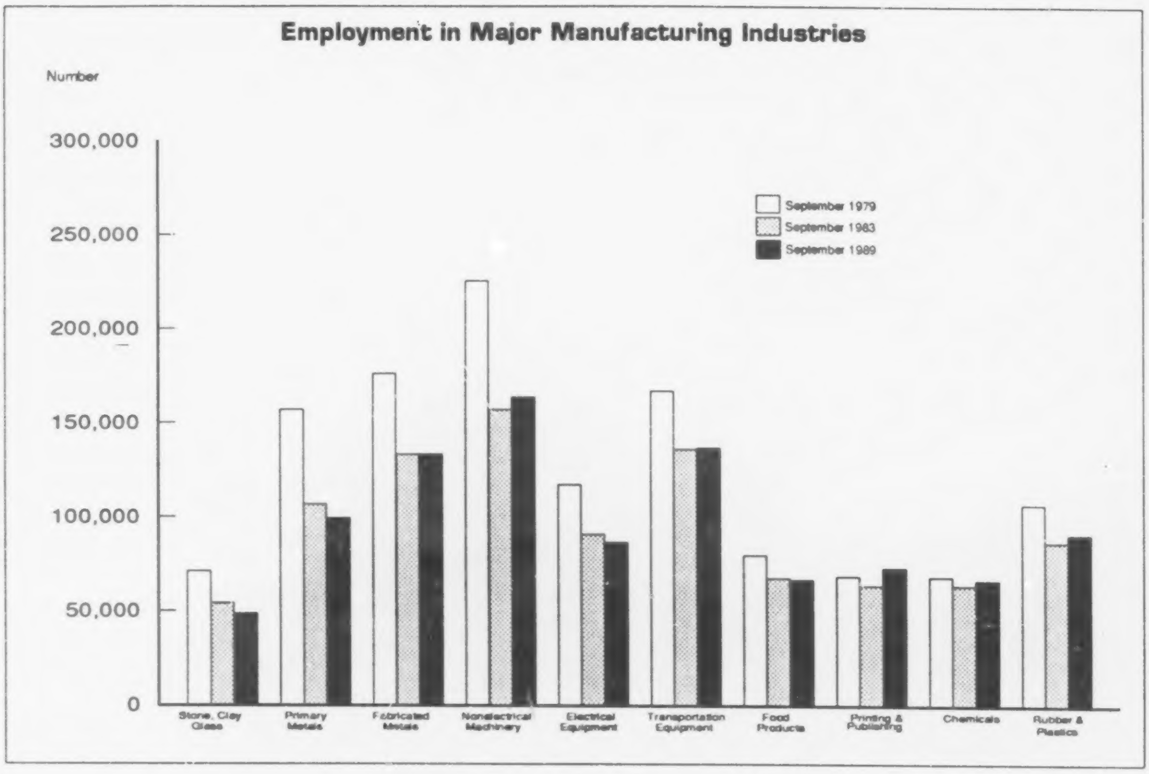
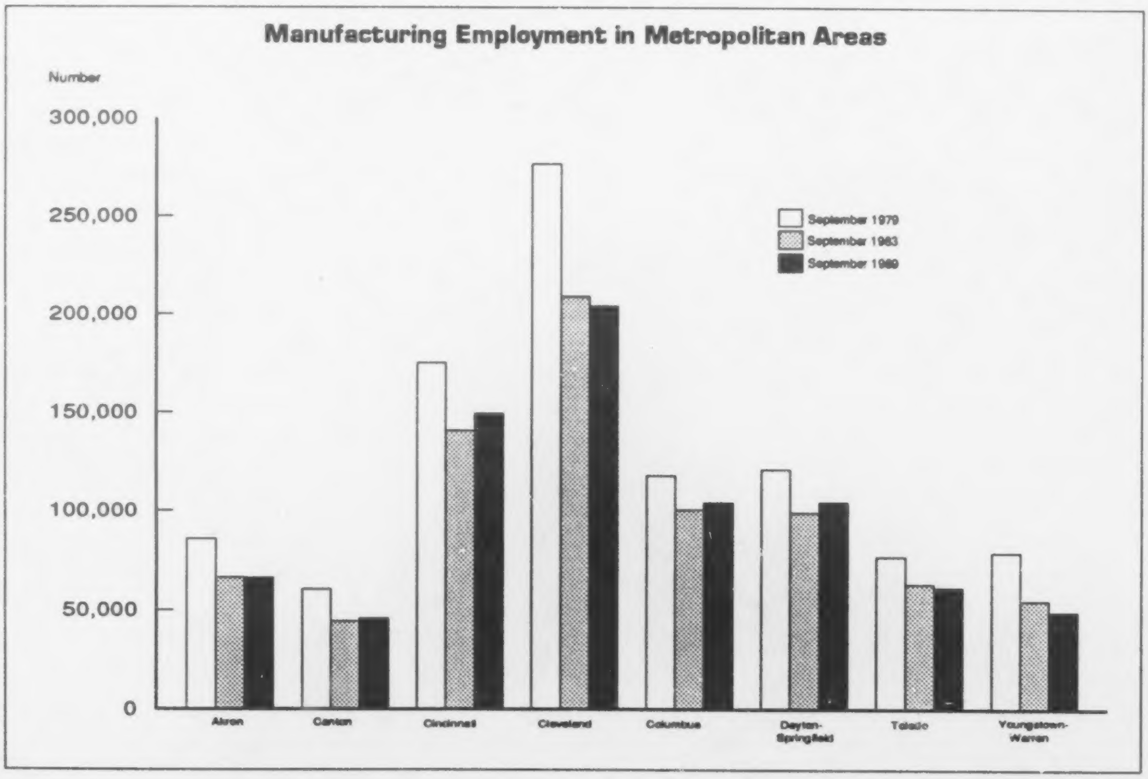
[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.



Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas

Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	4848.5	4807.2	4731.7	41.3	116.8
Manufacturing	1112.9	1109.4	1110.5	3.5	2.4
Durable Goods[e]	747.0	746.3	745.6	.6	1.4
Lumber and wood products	25.2	25.4	23.1	-.2	2.1
Furniture and fixtures	14.9	14.9	15.2	.0	-.3
Stone, clay, and glass products	48.4	48.5	48.3	-.1	.1
Glass and glassware, pressed or blown	8.9	8.8	8.6	.0	.3
Primary metal industries	99.1	99.2	101.1	.0	-2.0
Blast furnace and basic steel products	45.6	45.7	45.6	-.1	.1
Iron and steel foundries	19.7	19.6	20.3	.1	-.6
Nonferrous rolling and drawing	16.6	16.5	18.0	.1	-1.4
Fabricated metal products	132.9	131.3	133.3	1.6	-.4
Cutlery, hand tools, and hardware	9.6	9.5	10.2	.1	-.7
Fabricated structural metal products	28.5	28.3	28.3	.2	.3
Metal forgings and stampings	40.0	38.9	41.3	1.1	-1.3
Machinery, except electrical	163.2	162.8	159.9	.3	3.2
Construction and related machinery	13.6	13.8	13.6	-.1	.0
Metalworking machinery	43.5	43.5	41.5	.0	2.0
Special industry machinery	18.4	18.1	17.9	.3	.5
General industrial machinery	28.7	28.6	28.4	.1	.3
Office and computing machines	12.2	12.1	12.7	.1	-.5
Refrigeration and service machinery	15.9	16.1	16.1	-.2	-.2
Electric and electronic equipment	86.0	85.2	86.0	.9	.0
Electrical industrial apparatus	17.8	17.5	17.4	.2	.4
Household appliances	15.9	15.9	15.9	.0	.0
Electric lighting and wiring equipment	17.1	16.6	17.2	.5	-.1
Communication equipment	9.2	9.3	9.3	.0	-.1
Transportation equipment	136.5	138.6	139.4	-2.1	-2.9
Motor vehicles and equipment	91.2	93.5	94.1	-2.3	-2.9
Aircraft and parts	36.5	36.4	36.7	.1	-.2
Instruments and related products	24.8	24.6	24.2	.2	.5
Measuring and controlling devices	13.4	13.4	13.3	.1	.1
Nondurable Goods[f]	365.9	363.1	364.9	2.9	1.1
Food and kindred products	66.2	63.9	66.4	2.3	-.2
Meat products	8.8	8.8	8.9	.0	-.1
Dairy products	9.6	9.7	9.7	-.1	-.2
Preserved fruits and vegetables	14.8	12.3	14.4	2.5	.4
Bakery products	9.7	9.8	9.8	-.1	-.1
Beverages	8.9	9.0	9.4	-.1	-.6
Apparel and other textile products	16.1	16.0	15.6	.2	.5
Paper and allied products	37.1	37.1	36.9	.1	.2
Misc. converted paper products	12.0	12.0	12.2	-.1	-.2
Paperboard containers and boxes	13.4	13.3	13.0	.2	.4
Printing and publishing	72.3	72.2	71.8	.1	.6
Newspapers	18.8	18.7	18.9	.0	-.1
Commercial printing	28.6	28.4	28.2	.1	.4
Chemicals and allied products	66.0	66.3	65.2	-.3	.8
Industrial inorganic chemicals	8.7	8.9	9.1	-.2	-.4
Rubber and misc. plastics products	90.5	89.8	90.9	.7	-.4
Tires and inner tubes	14.4	14.4	14.8	.0	-.4
Miscellaneous plastics products	55.9	55.5	56.1	.4	-.2

See footnotes on page 15.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3735.6	3697.8	3621.2	37.8	114.4
Mining	20.1	20.1	19.8	.0	.3
Bituminous coal and lignite mining	8.0	8.0	8.0	.0	.0
Oil and gas extraction	6.7	6.7	6.7	.0	.0
Construction	217.2	218.0	202.0	-.8	15.2
General building contractors	53.5	54.1	50.5	-.6	3.0
Heavy construction contractors	29.5	29.3	27.6	.3	1.9
Highway and street construction	11.8	11.5	11.2	.2	.6
Special trade contractors	134.2	134.6	123.9	-.4	10.3
Transportation and Public Utilities	217.3	217.0	214.8	.3	2.5
Railroad transportation	12.9	13.0	13.5	-.1	-.6
Transportation, except railroads	116.7	116.0	112.3	.8	4.4
Trucking and warehousing	79.1	78.8	76.9	.3	2.3
Communication, electric, gas services	87.7	88.0	89.0	-.4	-1.3
Communication	45.5	45.7	47.0	-.2	-1.5
Electric, gas, and sanitary services	42.1	42.3	42.0	-.2	.1
Wholesale Trade	263.8	263.8	256.5	.0	7.3
Wholesale trade-durable goods	166.8	166.8	162.7	.0	4.1
Motor vehicles & automotive equipment	23.2	23.2	22.6	-.1	.6
Electrical goods	18.5	18.5	18.2	.0	.2
Machinery, equipment, and supplies	71.1	71.3	69.6	-.1	1.5
Wholesale trade-nondurable goods	97.0	97.0	93.8	.0	3.2
Groceries and related products	31.0	30.9	30.1	.1	.9
Retail Trade	920.0	918.6	888.2	1.5	31.8
General merchandise stores	122.5	121.2	119.8	1.2	2.7
Department stores	104.4	103.4	102.8	1.0	1.6
Food stores	146.9	146.3	141.3	.6	5.7
Automotive dealers & service stations	100.2	100.5	97.0	-.2	3.3
Apparel and accessory stores	47.1	46.8	45.0	.3	2.1
Eating and drinking places	313.6	314.9	308.2	-1.3	5.4
Finance, Insurance, and Real Estate	258.1	259.0	251.8	-.9	6.3
Banking	65.5	65.8	64.2	-.3	1.3
Credit agencies other than banks	38.6	38.8	38.2	-.2	.4
Insurance carriers	71.1	71.0	69.9	.1	1.3
Life insurance	26.2	26.2	25.7	.0	.5
Fire, marine, and casualty insurance	31.8	31.6	31.2	.2	.6
Services	1159.2	1152.6	1109.8	6.6	49.4
Hotels and other lodging places	39.1	40.3	37.5	-1.2	1.6
Personal services	59.1	58.3	56.7	.8	2.4
Laundry, cleaning, & garment services	19.6	19.4	19.0	.2	.6
Business services	246.1	244.9	228.7	1.2	17.4
Services to buildings	34.1	33.8	32.3	.3	1.8
Computer and data processing services	24.2	24.1	22.0	.1	2.2
Amusement and recreation services	51.6	55.3	51.4	-3.8	.2
Health services	385.8	385.6	373.4	.2	12.4
Nursing and personal care facilities	85.1	84.9	82.6	.3	2.5
Hospitals	187.5	187.9	182.9	-.3	4.6
Educational services	61.4	50.3	60.3	11.1	1.0
Colleges and universities	32.8	24.8	32.4	7.9	.4
Government	679.8	648.7	678.3	31.1	1.6
Federal government	95.7	96.7	94.2	-1.0	1.5
State government	146.7	138.8	146.4	7.9	.3
State government education[f]	71.3	61.8	71.9	9.5	-.6
State government, except education	75.5	77.0	74.5	-1.5	1.0
Local government	437.3	413.2	437.6	24.2	-.3
Local government education	248.1	216.9	251.2	31.2	-3.1
Local government, except education	189.3	196.3	186.4	-7.0	2.9

See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

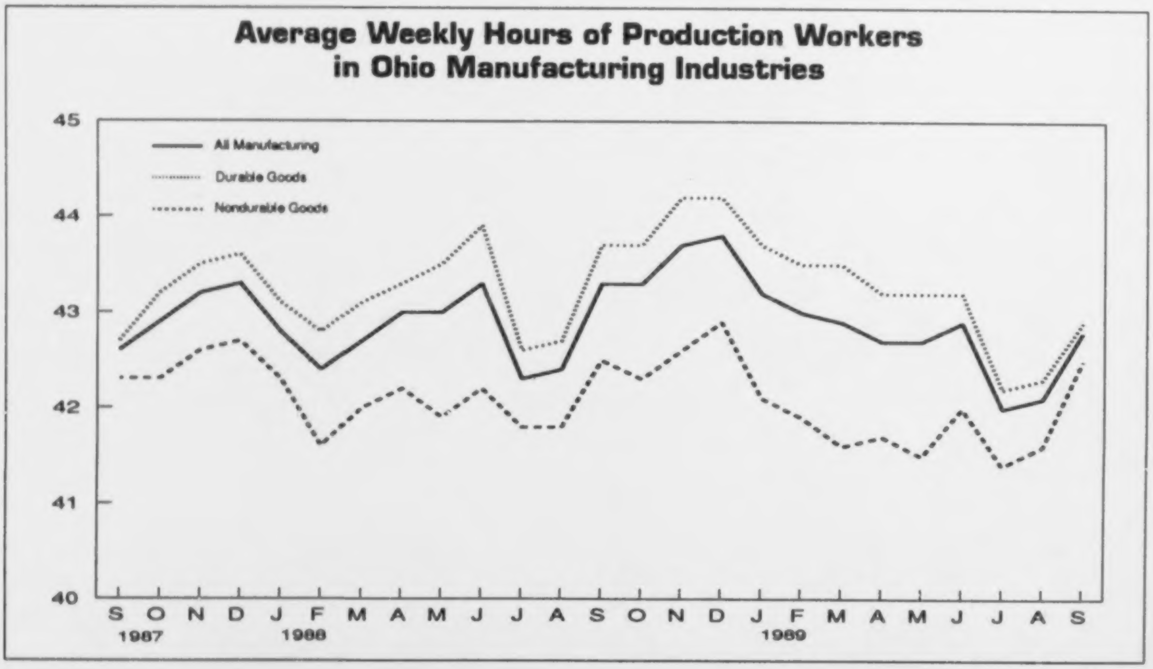
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$528.15	$514.88	$521.77	42.8	42.1	43.3	$12.34	$12.23	$12.05
Durable Goods[e]	544.83	530.87	545.38	42.9	42.3	43.7	12.70	12.55	12.48
Lumber and wood products	337.39	332.91	322.21	40.6	40.5	41.9	8.31	8.22	7.69
Furniture and fixtures	382.03	379.35	382.05	41.3	41.1	41.8	9.25	9.23	9.14
Stone, clay, and glass products	472.86	476.87	470.42	42.6	43.0	43.0	11.10	11.09	10.94
Glass and glassware, pressed or blown	504.81	498.38	523.77	42.6	42.2	44.2	11.85	11.81	11.85
Primary metal industries	619.87	612.14	632.80	43.9	43.6	45.2	14.12	14.04	14.00
Blast furnace and basic steel products	622.49	636.15	648.17	43.5	44.3	45.2	14.31	14.36	14.34
Iron and steel foundries	658.30	611.89	658.08	44.3	42.7	45.7	14.86	14.33	14.40
Nonferrous rolling and drawing	657.10	658.03	660.98	41.8	41.7	43.4	15.72	15.78	15.23
Fabricated metal products	509.78	490.69	517.97	42.2	41.2	43.2	12.08	11.91	11.99
Cutlery, hand tools, and hardware	524.15	507.09	503.74	41.5	40.6	41.7	12.63	12.49	12.08
Fabricated structural metal products	463.52	451.92	456.12	42.8	42.0	42.0	10.83	10.76	10.86
Metal forgings and stampings	630.44	593.07	638.03	42.8	41.1	44.4	14.73	14.43	14.37
Machinery, except electrical	534.87	519.78	530.64	43.1	42.5	44.0	12.41	12.23	12.06
Construction and related machinery	448.11	440.19	434.36	40.7	40.2	40.9	11.01	10.95	10.62
Metalworking machinery	515.35	509.82	513.90	43.6	43.5	45.0	11.82	11.72	11.42
Special industry machinery	532.20	522.51	536.36	45.8	45.2	46.0	11.62	11.56	11.66
General industrial machinery	568.49	556.84	547.67	43.1	42.9	43.5	13.19	12.98	12.59
Office and computing machines	473.76	490.75	458.81	42.0	43.7	41.9	11.28	11.23	10.95
Refrigeration and service machinery	560.33	545.11	605.68	40.9	40.2	43.7	13.70	13.56	13.86
Electric and electronic equipment	456.44	458.97	474.47	40.9	41.2	42.1	11.16	11.14	11.27
Electrical industrial apparatus	457.87	456.18	491.73	42.2	42.2	44.3	10.85	10.81	11.10
Household appliances	480.39	490.03	487.59	39.8	40.7	40.7	12.07	12.04	11.98
Electric lighting and wiring equipment	454.96	459.65	472.27	39.7	39.9	41.5	11.46	11.52	11.38
Communication equipment	591.10	524.24	478.18	46.0	42.9	40.8	12.85	12.22	11.72
Transportation equipment	733.72	688.97	698.88	45.8	43.8	45.5	16.02	15.73	15.36
Motor vehicles and equipment	769.37	714.27	737.56	46.6	44.2	46.3	16.51	16.16	15.93
Aircraft and parts	651.48	639.28	599.00	43.9	43.4	43.5	14.84	14.73	13.77
Instruments and related products	381.38	388.55	374.10	40.4	40.9	40.4	9.44	9.50	9.26
Measuring and controlling devices	379.64	383.55	362.21	39.3	39.5	39.2	9.66	9.71	9.24
Nondurable Goods[f]	489.60	476.74	469.63	42.5	41.6	42.5	11.52	11.46	11.05
Food and kindred products	470.55	468.00	446.45	42.7	42.2	42.6	11.02	11.09	10.48
Meat products	391.99	362.39	364.56	42.7	40.4	41.1	9.18	8.97	8.87
Dairy products	490.50	463.86	456.03	43.6	42.4	42.9	11.25	10.94	10.63
Preserved fruits and vegetables	460.93	500.52	461.47	41.6	43.0	44.5	11.08	11.64	10.37
Bakery products	483.19	475.53	464.53	39.9	39.3	39.3	12.11	12.10	11.82
Beverages	426.36	417.56	440.54	40.8	40.5	41.6	10.45	10.31	10.59
Apparel and other textile products	298.31	287.25	304.91	39.2	37.5	40.6	7.61	7.66	7.51
Paper and allied products	518.78	492.20	514.59	44.8	43.1	45.1	11.58	11.42	11.41
Misc. converted paper products	456.14	432.73	447.23	44.2	42.3	44.5	10.32	10.23	10.05
Paperboard containers and boxes	440.48	431.34	452.02	42.6	42.0	43.8	10.34	10.27	10.32
Printing and publishing	471.51	450.45	452.63	40.3	39.0	39.6	11.70	11.55	11.43
Newspapers	393.24	382.84	383.02	34.8	34.0	34.6	11.30	11.26	11.07
Commercial printing	479.68	444.71	457.75	42.3	40.1	41.5	11.34	11.09	11.03
Chemicals and allied products	596.94	588.41	555.53	43.1	42.7	42.7	13.85	13.78	13.01
Industrial inorganic chemicals	617.16	620.88	594.00	44.4	44.7	44.0	13.90	13.89	13.50
Rubber and misc. plastics products	461.39	446.04	453.96	43.0	42.0	43.4	10.73	10.62	10.46
Tires and inner tubes	720.13	724.16	684.78	46.4	46.6	46.3	15.52	15.54	14.79
Miscellaneous plastics products	443.84	423.94	436.60	42.8	41.4	43.1	10.37	10.24	10.13

See footnotes on page 15.

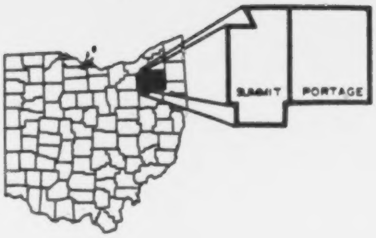
Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Mining	$613.36	$597.19	$549.50	45.2	44.6	43.2	$13.57	$13.39	$12.72
Bituminous coal and lignite mining	756.65	724.11	645.81	45.2	43.7	40.9	16.74	16.57	15.79
Construction	610.67	626.86	604.49	39.5	40.6	39.9	15.46	15.44	15.15
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	599.46	598.64	579.10	41.2	41.4	41.1	14.55	14.46	14.09
Communication	591.19	587.88	563.29	41.4	41.4	40.7	14.28	14.20	13.84
Electric, gas, and sanitary services	607.77	609.59	596.77	40.9	41.3	41.5	14.86	14.76	14.38
Wholesale Trade	410.42	405.86	395.46	39.2	39.1	39.0	10.47	10.38	10.14
Wholesale trade-durable goods	399.75	396.24	387.44	39.0	39.0	38.9	10.25	10.16	9.96
Wholesale trade-nondurable goods	427.39	423.16	408.86	39.5	39.4	39.2	10.82	10.74	10.43
Retail Trade[h]	175.89	176.03	167.61	28.6	29.0	28.7	6.15	6.07	5.84
General merchandise stores	184.90	184.96	180.91	28.8	28.9	28.4	6.42	6.40	6.37
Department stores	189.15	190.38	185.61	29.1	29.2	28.6	6.50	6.52	6.49
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	270.32	268.70	265.37	....	....	....	.....	.....	.....
Credit agencies other than banks	277.17	278.67	272.19	....	....	....	.....	.....	.....
Insurance carriers	393.47	391.30	376.59	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	355.75	354.58	343.35	32.4	32.5	33.4	10.98	10.91	10.28

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

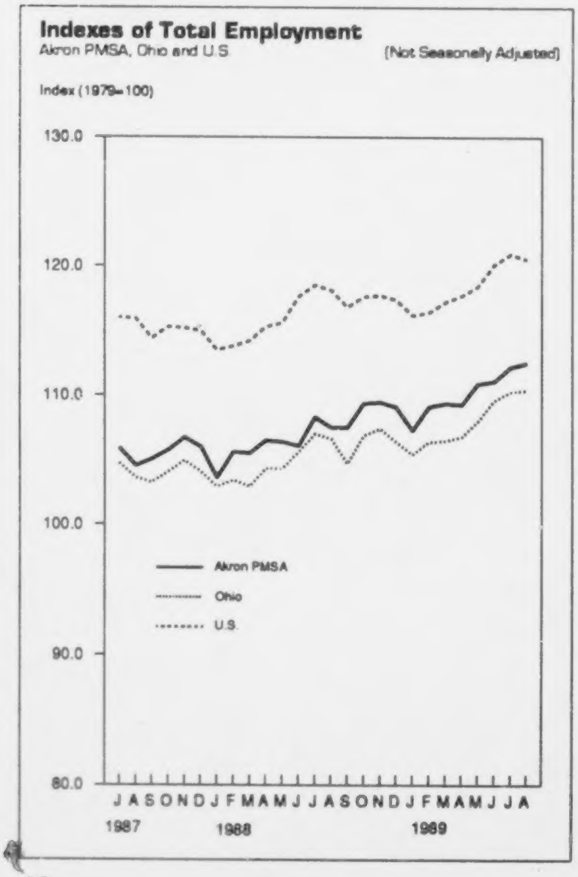

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

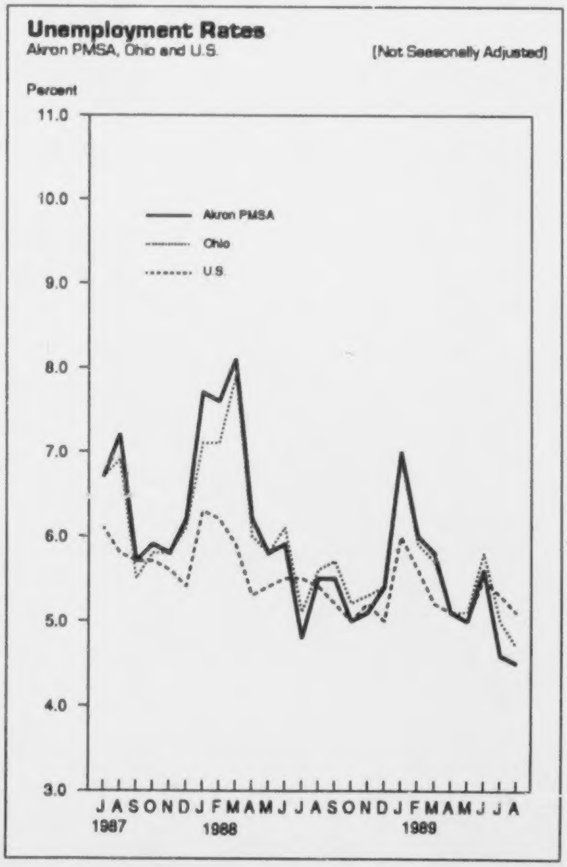
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



In the Akron metropolitan area, total nonfarm payroll employment rose 7,600 above the August level to 286,500 in September 1989. The improvement was concentrated in the nonmanufacturing sector as nonteaching personnel in state and local schools and colleges returned to work following the summer recess. Manufacturing employment, at 66,000, remained unchanged from last month. Scattered increases among producers of durable goods offset a decline in chemicals and allied products. Factory production workers averaged $11.46 per hour, up $.09 from August. Their average workweek of 42.7 hours was .4 hours longer.

Nonagricultural wage and salary employment advanced 9,800 between September 1988 and September 1989. Primary areas of growth were services, especially business services, retail trade, and construction. The manufacturing sector added 600 jobs over the year due to increases in both durable- and nondurable-goods industries. Employment in fabricated metal products, nonelectrical machinery, and chemicals and allied products declined.


Indexes of Total Employment
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Akron PMSA Labor Force and Employment Data

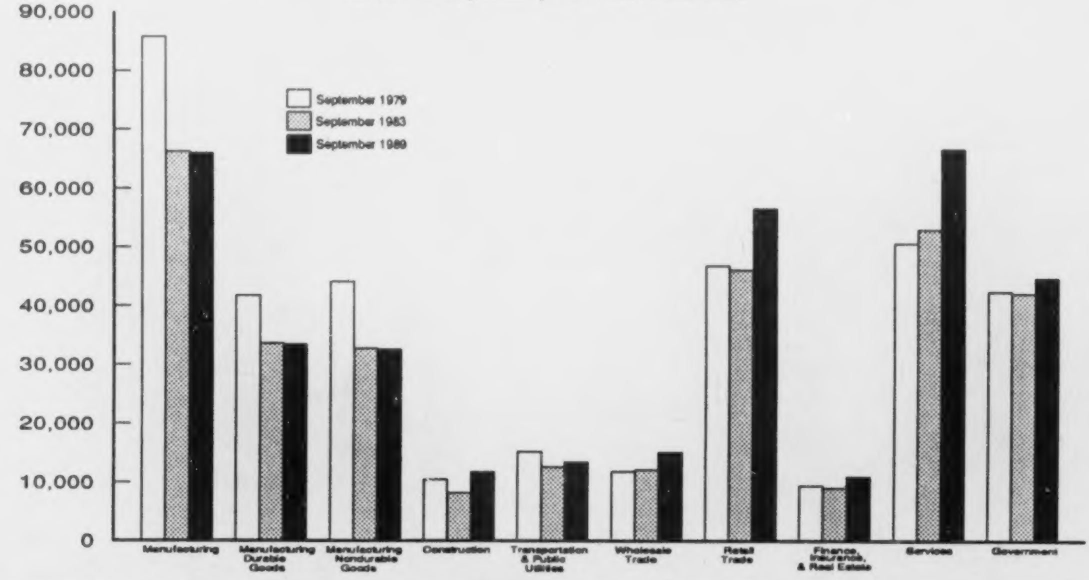
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	May	283.1	66.0	38.8	488.62	42.6	11.47
335.7	317.0	18.7	5.6	June	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	July	278.6	66.3	38.8	471.92	41.8	11.29
336.0	321.0	15.0	4.5	August	278.9	66.0	38.6	480.95	42.3	11.37
INA	INA	INA	INA	September	286.5	66.0	38.8	489.34	42.7	11.46

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	286.5	278.9	276.8	7.6	9.8
Manufacturing	66.0	66.0	65.4	.0	.6
Durable Goods[e]	33.5	33.2	33.1	.3	.3
Fabricated metal products	10.7	10.7	10.9	.0	-.2
Machinery, except electrical	9.7	9.6	9.8	.1	-.1
Metalworking machinery	3.5	3.5	3.4	.0	.1
Nondurable Goods[f]	32.5	32.8	32.2	-.3	.3
Food and kindred products	2.9	3.0	2.9	.0	.1
Chemicals and allied products	3.5	3.6	3.6	-.2	-.1
Rubber and misc. plastics products	19.4	19.4	19.3	.0	.1
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing[g]	220.5	212.9	211.4	7.6	9.1
Construction	11.7	11.7	10.9	.0	.9
Transportation and Public Utilities	13.5	13.5	13.1	.0	.4
Communication, electric, gas services	4.7	4.8	4.9	.0	-.2
Wholesale Trade	15.2	15.1	14.6	.0	.6
Retail Trade	56.7	56.3	54.0	.4	2.7
General merchandise stores	6.5	6.5	6.5	.1	.0
Finance, Insurance, and Real Estate	11.0	11.1	10.7	-.1	.3
Banking	3.2	3.2	3.1	.0	.1
Services	66.9	66.7	63.3	.2	3.6
Business services	15.0	14.9	13.5	.1	1.5
Amusement and recreation services	4.8	4.8	4.0	-.1	.8
Health services	20.6	20.6	20.3	.0	.3
Government	44.8	37.8	44.1	7.0	.6
State government	16.9	11.0	16.2	6.0	.7
State government education[i]	14.0	8.0	13.2	6.1	.8
State government, except education	2.9	3.0	3.0	-.1	-.1
Local government	25.3	24.3	25.5	1.0	-.2
Local government education	14.1	12.4	14.3	1.7	-.2
Local government, except education	11.3	11.9	11.3	-.6	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$489.34	$480.95	$489.89	42.7	42.3	43.2	$11.46	$11.37	$11.34
Durable Goods[e]	496.60	494.28	499.25	42.7	42.5	43.3	11.63	11.63	11.53
Fabricated metal products	603.07	602.11	629.75	43.2	43.1	44.1	13.96	13.97	14.28
Machinery, except electrical	480.88	467.02	467.62	44.9	44.1	45.4	10.71	10.59	10.30
Metalworking machinery	507.60	498.41	493.10	45.0	44.7	46.3	11.28	11.15	10.65
Nondurable Goods[f]	478.82	465.89	476.44	42.6	42.2	43.0	11.24	11.04	11.08
Food and kindred products	413.66	394.70	464.83	43.0	41.2	43.2	9.62	9.58	10.76
Chemicals and allied products	546.75	529.70	522.41	44.2	43.1	43.9	12.37	12.29	11.90
Rubber and misc. plastics products	507.32	492.68	496.13	44.0	43.6	44.1	11.53	11.30	11.25
Tires and inner tubes	851.19	851.19	788.18	51.0	51.0	49.2	16.69	16.69	16.02
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	606.53	608.40	587.64	41.6	41.7	41.5	14.58	14.59	14.16
Wholesale Trade	359.04	360.98	347.26	36.9	37.1	37.1	9.73	9.73	9.36
Retail Trade[h]	210.46	210.56	199.68	31.6	32.0	32.0	6.66	6.58	6.24

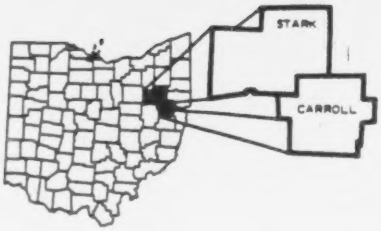
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	1,628	2,320	1,891
Active File of Job Seekers	9,960	15,764	15,294
Referrals to Jobs	781	1,078	1,288
Placements	194	342	465
Job Openings Received	423	2,892	520
Job Openings Unfilled	1,452	1,684	1,531
Unemployment Insurance Program			
Initial Claims	1,705	2,264	1,720
Continued Claims	14,287	19,702	15,822
First Payments	792	1,353	861
Last Payments	289	427	305
Weeks Compensated	12,666	16,163	13,373
Benefits Paid	$1,902,619	$2,417,806	$1,995,519
Average Weekly Payment	$158.00	$156.76	$153.47

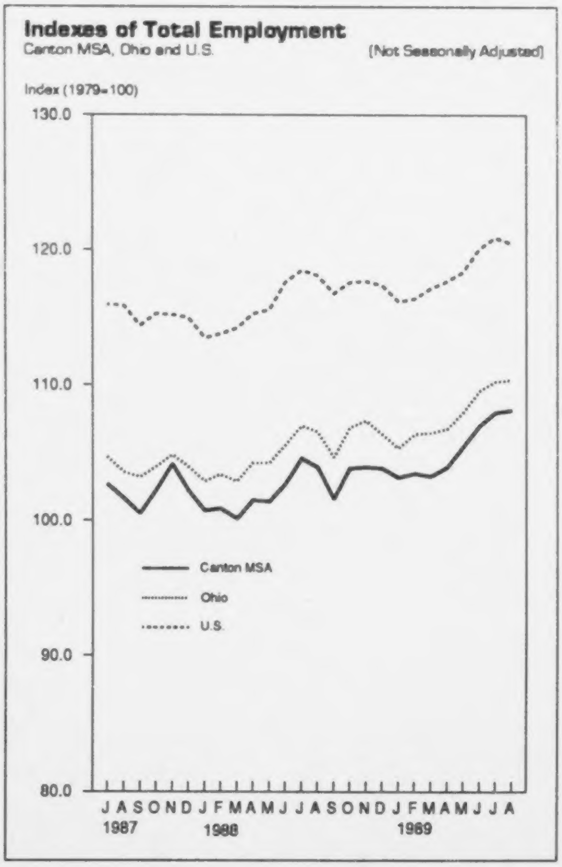
CANTON
METROPOLITAN STATISTICAL AREA

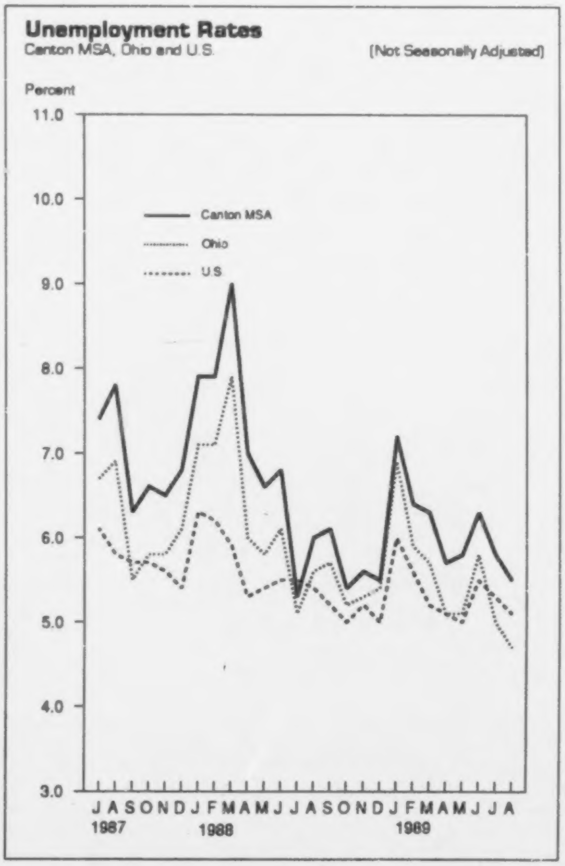


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

Nonagricultural payroll employment in the Canton metropolitan area totaled 166,400 in September 1989, up 1,300 from the August level. The return of nonteaching personnel in local schools raised nonmanufacturing employment 1,100. Marginal improvements among producers of both durable and nondurable goods increased manufacturing employment 200 over the month to 45,700. Factory production worker average hourly earnings of $11.84 rose fractionally from August. Their average workweek was .3 hours shorter, at 41.7 hours.

Nonfarm wage and salary employment advanced 5,500 between September 1988 and September 1989. Noteworthy expansion occurred in services (+2,000) and retail trade (+1,600). The manufacturing workforce added 600 over the year with modest increases in primary metal industries and food and kindred products. Employment in fabricated metal products declined.


Indexes of Total Employment
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]

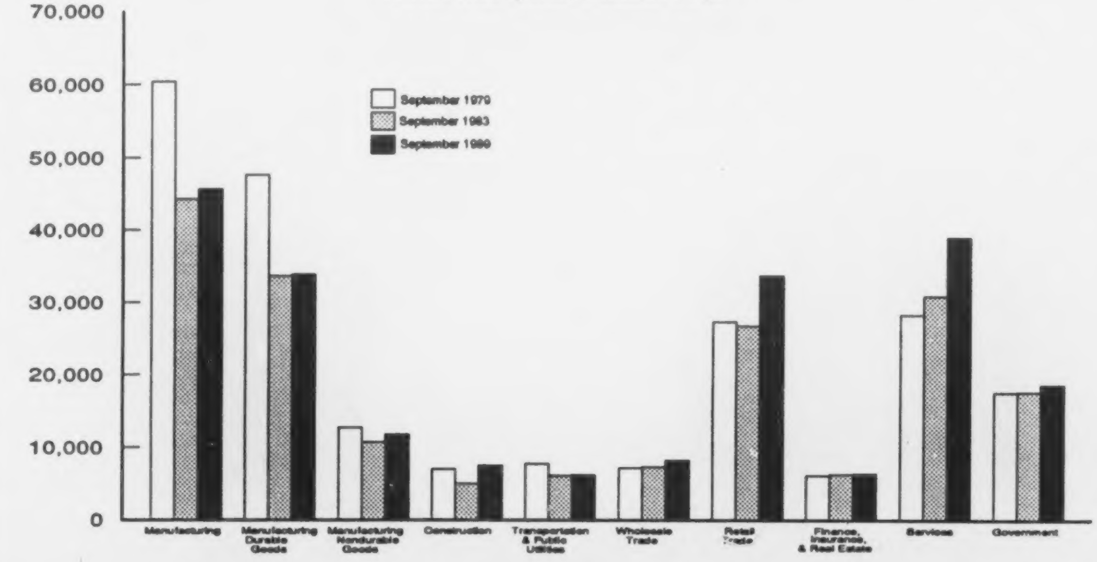

Unemployment Rates
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]

Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$ 304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	July	165.2	45.4	32.5	482.10	41.1	11.73
198.9	187.9	11.0	5.5	August	165.1	45.5	32.7	496.44	42.0	11.82
INA	INA	INA	INA	September	166.4	45.7	32.8	493.73	41.7	11.84

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	166.4	165.1	160.9	1.3	5.5
Manufacturing	45.7	45.5	45.1	.2	.6
Durable Goods[e]	33.9	33.8	33.3	.1	.6
Primary metal industries	11.5	11.5	11.3	.0	.3
Fabricated metal products	6.5	6.5	6.7	.0	-.2
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.8	11.7	11.8	.1	.0
Food and kindred products	3.4	3.4	3.3	.0	.2
Rubber and misc. plastics products	2.9	2.8	3.0	.1	.0
Nonmanufacturing[g]	120.7	119.5	115.8	1.1	4.8
Construction	7.5	7.5	6.8	.0	.6
Transportation and Public Utilities	6.2	6.2	5.9	.0	.3
Communication, electric, gas services	2.7	2.7	2.8	.0	.0
Wholesale Trade	8.2	8.2	8.0	.0	.2
Wholesale trade-durable goods	4.4	4.5	4.5	.0	.0
Retail Trade	33.8	33.6	32.2	.2	1.6
General merchandise stores	4.1	4.0	4.0	.1	.1
Food stores	5.7	5.7	5.5	.0	.3
Finance, Insurance, and Real Estate	6.4	6.4	6.3	.0	.0
Banking	1.8	1.9	1.8	.0	.0
Services	39.1	39.0	37.0	.1	2.0
Health services	15.5	15.5	15.3	.0	.1
Government	18.6	17.7	18.7	1.0	-.1
State government (includes education)	1.7	1.6	1.7	.1	.0
Local government	15.6	14.7	15.6	.9	.0
Local government education	9.2	8.2	9.2	1.0	.0
Local government, except education	6.4	6.5	6.4	-.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$493.73	$496.44	$487.34	41.7	42.0	42.6	$11.84	$11.82	$11.44
Durable Goods[e]	522.37	528.53	516.03	42.4	42.9	43.4	12.32	12.32	11.89
Primary metal industries	590.48	603.90	583.53	44.0	44.7	45.2	13.42	13.51	12.91
Fabricated metal products	481.52	477.50	466.89	40.6	40.5	42.1	11.86	11.79	11.09
Metal forgings and stampings	569.66	562.78	568.10	41.4	40.9	40.9	13.76	13.76	13.89
Nondurable Goods[f]	405.11	396.08	400.39	39.6	39.1	40.2	10.23	10.13	9.96
Food and kindred products	418.88	390.45	398.71	38.5	36.8	37.9	10.88	10.61	10.52
Rubber and misc. plastics products	405.18	397.99	406.96	41.6	41.2	40.9	9.74	9.66	9.95
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	601.34	588.55	588.29	41.5	41.1	41.4	14.49	14.32	14.21
Wholesale Trade	380.85	375.82	370.30	38.2	38.0	36.7	9.97	9.89	10.09
Retail Trade[h]	169.88	166.16	160.11	28.6	28.5	28.9	5.94	5.83	5.54

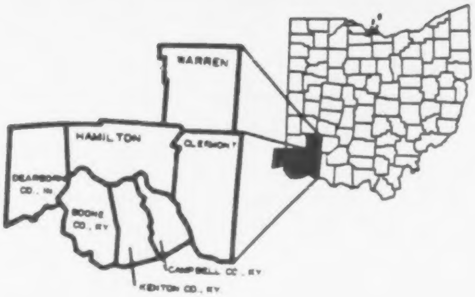
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

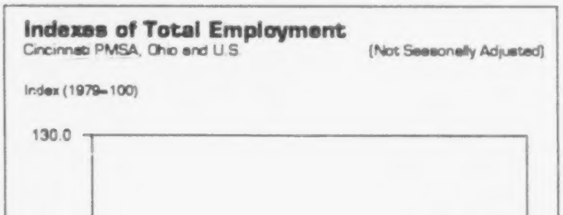
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	998	1,232	1,771
Active File of Job Seekers	7,547	10,760	12,718
Referrals to Jobs	737	626	864
Placements	51	137	168
Job Openings Received	454	852	450
Job Openings Unfilled	601	447	2,300
Unemployment Insurance Program			
Initial Claims	1,969	2,062	1,250
Continued Claims	10,771	13,940	9,746
First Payments	784	961	753
Last Payments	148	229	210
Weeks Compensated	9,563	12,045	8,545
Benefits Paid	$1,471,810	$1,795,342	$1,206,692
Average Weekly Payment	$164.89	$159.65	$146.42

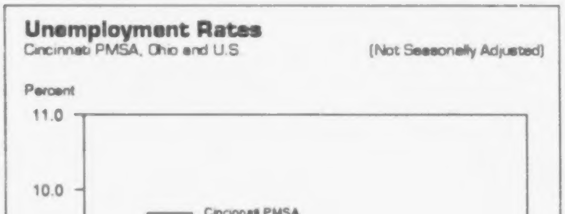
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cincinnati metropolitan area increased 8,400 above the August level to 745,100 in September 1989. The return of nonteaching personnel in local schools and more business in services, transportation and public utilities, and retail trade raised nonmanufacturing employment 7,500. The manufacturing workforce, at 149,400, added 900 jobs over the month. Modest gains were recorded in fabricated metal products, nonelectrical machinery, electric and electronic equipment, transportation equipment, and rubber and miscellaneous plastics products. Factory production workers averaged $11.57 per hour, down slightly from August. Their average workweek was .2 hours longer, at 43.4 hours.

Nonagricultural wage and salary employment advanced 33,300 between September 1988 and September 1989. Primary growth sectors were services, especially business and health services, and retail trade. Significant expansion was also noted in construction, transportation and public utilities, and local government. Manufacturing employment gained 3,600 during the period. Noteworthy improvements occurred in nonelectrical machinery, electric and electronic equipment, and rubber and miscellaneous plastics products.





Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	**1978**	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	**1979**	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	**1980**	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	**1981**	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	**1982**	575.3	146.3	95.5	367.59	40.5	9.57
687.6	615.2	72.4	10.5	**1983**	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	**1984**	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	**1985**	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	**1986**	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	**1987**	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	**1988**	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
773.7	735.0	38.7	5.0	**August**	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	**September**	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	**October**	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	**November**	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	**December**	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	**January**	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	**February**	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	**March**	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	**April**	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	**May**	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	**June**	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	**July**	733.8	147.5	92.7	481.08	42.2	11.40
807.0	774.9	32.1	4.0	**August**	736.7	148.5	93.5	500.69	43.2	11.59
INA	INA	INA	INA	**September**	745.1	149.4	94.3	502.14	43.4	11.57

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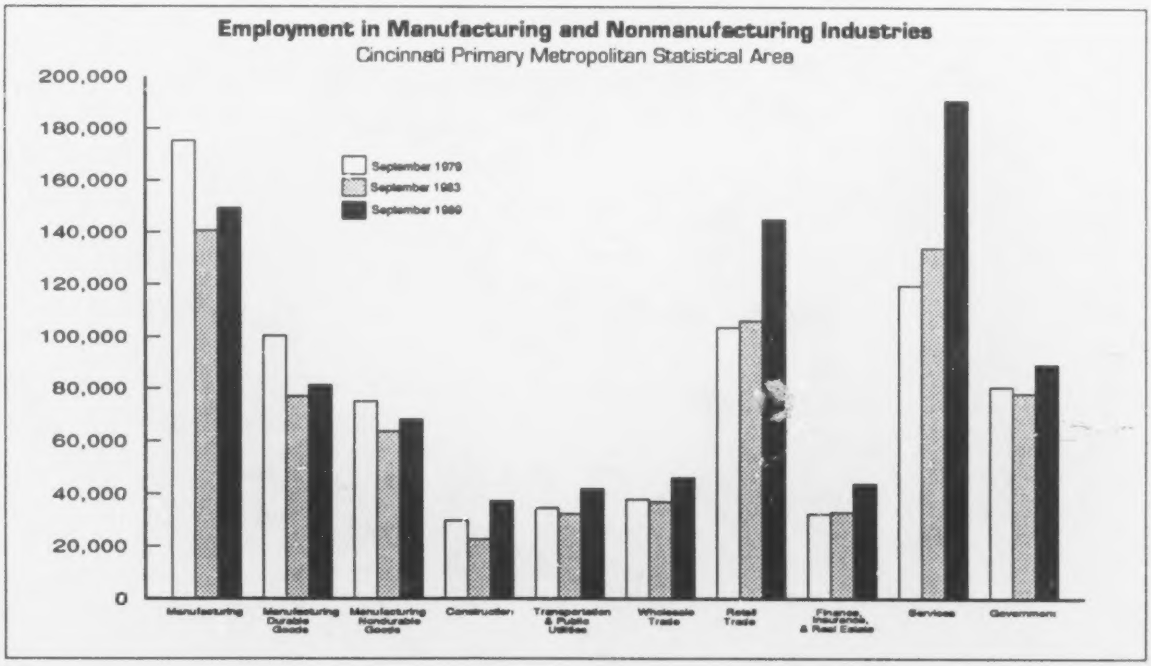


Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	745.1	736.7	711.9	8.4	33.3
Manufacturing	149.4	148.5	145.8	.9	3.6
Durable Goods[e]	81.2	80.6	78.9	.7	2.4
Fabricated metal products	10.9	10.6	10.7	.3	.2
Fabricated structural metal products	3.9	3.7	3.8	.2	.1
Machinery, except electrical	21.6	21.5	20.8	.1	.8
Metalworking machinery	8.9	8.8	8.7	.0	.1
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	9.2	9.0	8.7	.1	.5
Transportation equipment	24.1	24.0	24.1	.1	.0
Motor vehicles and equipment	5.0	4.9	5.0	.0	.0
Nondurable Goods[f]	68.2	68.0	66.9	.2	1.3
Food and kindred products	13.3	13.3	13.1	.0	.2
Beverages	3.3	3.3	3.6	.0	-.3
Apparel and other textile products	3.7	3.7	3.4	.0	.2
Paper and allied products	6.2	6.2	6.1	.0	.1
Printing and publishing	13.6	13.6	13.4	.0	.2
Commercial printing	6.4	6.3	6.1	.1	.2
Chemicals and allied products	22.9	22.8	22.7	.0	.1
Rubber and misc. plastics products	6.4	6.3	5.9	.1	.5
Nonmanufacturing[g]	595.7	588.2	566.0	7.5	29.6
Construction	37.3	37.2	33.9	.1	3.4
Transportation and Public Utilities	41.9	41.1	39.1	.8	2.8
Trucking and warehousing	12.0	11.8	11.1	.1	.9
Communication, electric, gas services	16.1	[illegible]	15.5	.0	.7
Wholesale Trade	46.2	[illegible]	44.6	.0	1.6
Wholesale trade-durable goods	27.0	27.1	26.4	-.1	.6
Retail Trade	145.3	144.8	137.3	.5	8.0
General merchandise stores	20.6	20.4	20.2	.2	.4
Finance, Insurance, and Real Estate	43.8	43.9	42.7	-.1	1.1
Banking	9.6	9.6	9.2	.0	.4
Insurance carriers	14.4	14.4	14.5	.0	.0
Services	191.2	190.3	180.6	.9	10.5
Hotels and other lodging places	8.1	8.3	7.7	-.2	.4
Personal services	9.6	9.5	9.0	.1	.6
Business services	48.8	48.4	44.2	.4	4.6
Amusement and recreation services	12.0	12.4	11.4	-.3	.7
Health services	55.8	55.7	54.4	.1	1.4
Hospitals	26.6	26.6	25.8	.0	.7
Government	89.5	84.2	87.4	5.4	2.1
Federal government	15.4	15.2	15.3	.2	.1
State government	20.1	20.0	19.2	.1	.9
State government education[i]	11.9	11.7	11.3	.2	.6
State government, except education	8.2	8.3	7.8	-.1	.3
Local government	54.0	48.9	53.0	5.1	1.0
Local government education	29.7	24.4	29.9	5.3	-.1
Local government, except education	24.3	24.5	23.1	-.3	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$502.14	$500.69	$483.75	43.4	43.2	43.0	$11.57	$11.59	$11.25
Durable Goods[e]	493.89	486.76	476.69	43.4	43.0	43.1	11.38	11.32	11.06
Fabricated metal products	423.67	417.90	435.60	43.1	42.0	43.3	9.83	9.95	10.06
Fabricated structural metal products	488.96	448.79	491.43	45.4	42.1	45.8	10.77	10.66	10.73
Machinery, except electrical	444.15	437.22	440.05	42.3	42.0	43.1	10.50	10.41	10.21
Metalworking machinery	490.59	486.00	491.70	43.3	43.2	44.7	11.33	11.25	11.00
General industrial machinery	438.90	435.56	431.10	42.0	41.8	43.9	10.45	10.42	9.82
Electric and electronic equipment	386.69	369.82	333.45	42.4	41.0	39.0	9.12	9.02	8.55
Transportation equipment	785.63	772.68	715.47	47.1	47.0	46.1	16.68	16.44	15.52
Motor vehicles and equipment	914.64	904.24	863.72	50.2	50.8	50.1	18.22	17.80	17.24
Nondurable Goods[f]	509.21	513.86	491.92	43.3	43.4	43.0	11.76	11.84	11.44
Food and kindred products	543.27	523.33	516.84	45.5	44.2	43.8	11.94	11.84	11.80
Beverages	551.23	547.40	509.21	42.5	42.5	40.9	12.97	12.88	12.45
Apparel and other textile products	249.21	238.88	226.94	39.0	37.5	38.4	6.39	6.37	5.91
Paper and allied products	481.98	464.19	447.62	44.3	43.1	44.1	10.88	10.77	10.15
Printing and publishing	483.80	465.52	477.25	41.0	40.2	41.5	11.80	11.58	11.50
Commercial printing	527.12	484.26	527.59	44.0	42.0	45.6	11.98	11.53	11.57
Chemicals and allied products	599.27	647.15	578.35	43.3	45.8	43.0	13.84	14.13	13.45
Rubber and misc. plastics products	435.60	424.60	434.93	45.0	44.0	45.4	9.68	9.65	9.58
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	602.05	595.75	574.87	40.9	41.4	40.8	14.72	14.39	14.09
Wholesale Trade	421.94	415.36	416.56	40.3	39.9	41.0	10.47	10.41	10.16
Retail Trade[h]	171.63	173.46	168.78	28.7	29.3	29.2	5.98	5.92	5.78
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	265.39	264.05	262.00	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

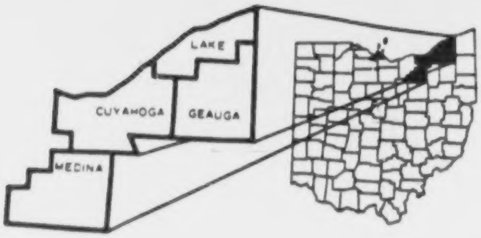
Selected Administrative Program Activities[a]

Cincinnati PMSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	2,660	3,510	2,610
Active File of Job Seekers	14,250	20,248	20,901
Referrals to Jobs	2,027	2,046	1,917
Placements	204	464	357
Job Openings Received	1,030	2,754	1,859
Job Openings Unfilled	2,059	1,911	3,250
Unemployment Insurance Program			
Initial Claims	2,872	3,057	3,231
Continued Claims	23,763	30,544	27,417
First Payments	1,591	1,587	1,555
Last Payments	428	579	546
Weeks Compensated	21,175	25,364	22,239
Benefits Paid	$3,231,219	$3,788,722	$3,354,924
Average Weekly Payment	$157.39	$153.61	$153.37

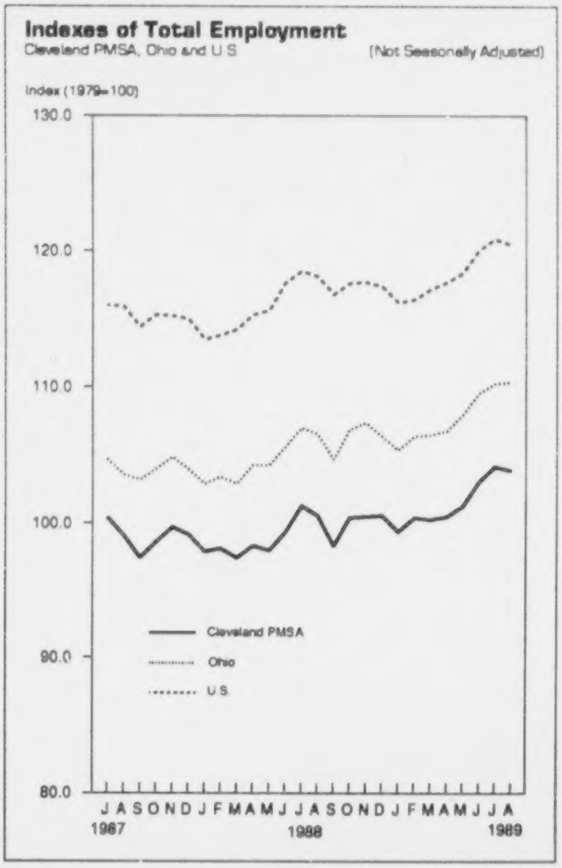
[a] Ohio data only

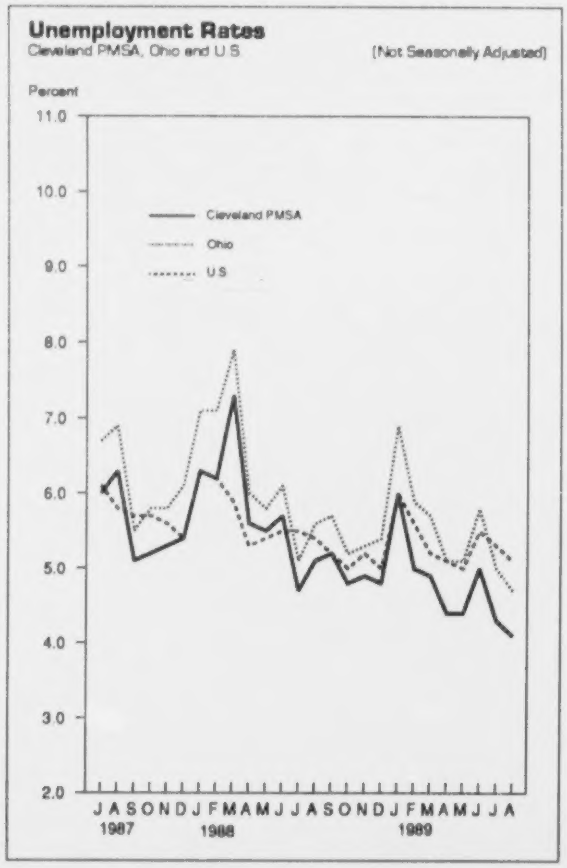
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



In the Cleveland metropolitan area, nonagricultural payroll employment totaled 935,700 in September 1989, up 4,200 from the August level. Nonmanufacturing employment increased 3,300 due chiefly to seasonal growth in services. The manufacturing sector rose 900 over the month to 204,400. Improvements in transportation equipment, food and kindred products, and electric and electronic equipment more than offset declines in fabricated metal products and printing and publishing. Factory production workers averaged $12.06 per hour, up $.19 from August. Their average workweek of 43.0 hours was .8 hours longer.

Nonfarm wage and salary employment advanced 24,400 between September 1988 and September 1989. Leading growth sectors were services, particularly business and health services, and retail trade. Noteworthy expansion was also registered in finance, insurance, and real estate, local government, wholesale trade, and construction. Manufacturing employment increased 1,600 over the year with moderate improvements in nonelectrical machinery, especially metalworking machinery, and chemicals and allied products. Employment in rubber and miscellaneous plastics products and transportation equipment declined.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S.
(Not Seasonally Adjusted)


Unemployment Rates
Cleveland PMSA, Ohio and U.S.
(Not Seasonally Adjusted)

Cleveland PMSA Labor Force and Employment Data

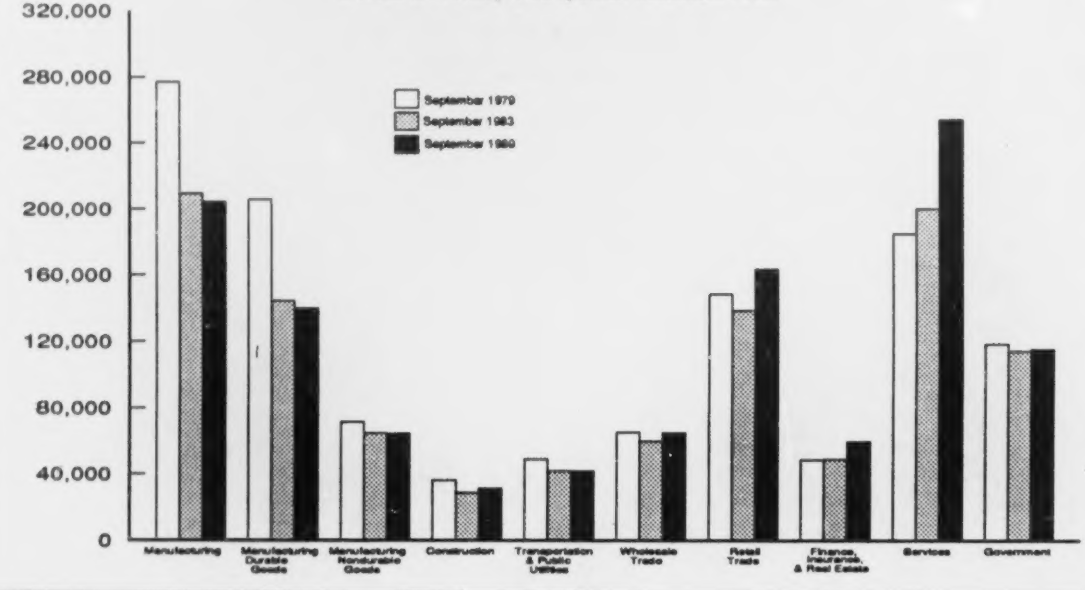
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	**1978**	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	**1979**	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	**1980**	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	**1981**	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	**1982**	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	**1983**	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	**1984**	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	**1985**	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	**1986**	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	**1987**	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	**1988**	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
943.0	894.6	48.5	5.1	**August**	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	**September**	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	**October**	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	**November**	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	**December**	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	**January**	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	**February**	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	**March**	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	**April**	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	**May**	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	**June**	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	**July**	933.6	202.7	129.6	491.99	41.8	11.77
963.8	923.9	39.9	4.1	**August**	931.6	203.5	130.1	500.91	42.2	11.87
INA	INA	INA	INA	**September**	935.7	204.4	131.2	518.58	43.0	12.06

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	935.7	931.6	911.4	4.2	24.4
Manufacturing	204.4	203.5	202.8	.9	1.6
Durable Goods[e]	140.1	139.2	138.7	.9	1.4
Primary metal industries	21.7	21.6	21.5	.1	.2
Iron and steel foundries	4.4	4.3	4.7	.1	-.3
Fabricated metal products	31.9	32.3	31.9	-.4	.0
Fabricated structural metal products	3.9	4.1	3.9	-.2	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	10.7	10.6	10.7	.1	.0
Machinery, except electrical	30.9	30.7	29.9	.2	1.0
Construction and related machinery	2.7	2.6	2.5	.0	.1
Metalworking machinery	10.6	10.5	10.0	.1	.7
Special industry machinery	2.7	2.7	2.7	.0	.0
General industrial machinery	3.3	3.3	3.2	.0	.2
Electric and electronic equipment	17.9	17.7	18.0	.3	-.1
Electrical industrial apparatus	6.7	6.6	6.5	.1	.2
Transportation equipment	19.3	18.6	19.6	.7	-.3
Motor vehicles and equipment	12.2	11.7	12.3	.6	.0
Instruments and related products	6.4	6.4	6.4	.0	.0
Measuring and controlling devices	4.5	4.5	4.3	.0	.1
Nondurable Goods[f]	64.3	64.3	64.1	.0	.2
Food and kindred products	6.8	6.4	6.6	.4	.2
Apparel and other textile products	3.4	3.4	3.5	.0	-.1
Paper and allied products	5.8	5.9	5.9	-.1	-.1
Printing and publishing	16.1	16.3	15.9	-.2	.2
Chemicals and allied products	15.4	15.5	15.0	-.1	.4
Rubber and misc. plastics products	11.1	11.1	11.6	.0	-.5
Nonmanufacturing[g]	731.3	728.1	708.6	3.3	22.7
Construction	31.2	31.3	30.1	-.1	1.2
Transportation and Public Utilities	41.9	41.9	41.8	.0	.1
Trucking and warehousing	12.6	12.6	12.2	.1	.4
Communication, electric, gas services	17.2	17.3	17.7	-.1	-.5
Wholesale Trade	64.5	64.8	63.3	-.2	1.3
Wholesale trade-durable goods	44.8	44.9	43.9	-.1	.9
Retail Trade	163.5	163.6	158.5	.0	5.0
General merchandise stores	20.6	20.5	20.2	.1	.4
Finance, Insurance, and Real Estate	59.6	59.7	57.6	-.1	1.9
Banking	14.7	14.6	14.3	.0	.3
Credit agencies other than banks	8.9	9.0	8.8	-.1	.1
Insurance carriers	14.7	14.7	14.2	.0	.6
Services	254.6	251.8	242.7	2.8	11.9
Business services	59.9	59.3	55.9	.6	4.0
Amusement and recreation services	9.3	9.7	9.0	-.5	.3
Health services	79.9	79.7	77.2	.2	2.7
Hospitals	44.5	44.5	43.5	.0	1.0
Government	114.9	114.1	113.5	.8	1.4
Federal government	20.5	20.7	20.7	-.1	-.2
State government	7.5	7.6	7.7	-.2	-.2
State government education[i]	2.4	2.4	2.6	.0	-.2
State government, except education	5.1	5.2	5.1	-.2	-.1
Local government	86.9	85.8	85.0	1.1	1.9
Local government education	42.4	38.4	41.6	4.0	.8
Local government, except education	44.5	47.4	43.4	-2.9	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$518.58	$500.91	$514.51	43.0	42.2	43.2	$12.06	$11.87	$11.91
Durable Goods[e]	545.06	524.78	555.89	43.5	42.7	44.4	12.53	12.29	12.52
Primary metal industries	550.00	519.16	587.06	44.0	42.8	45.9	12.50	12.13	12.79
Iron and steel foundries	895.78	767.60	636.35	49.3	45.1	49.6	18.17	17.02	17.87
Fabricated metal products	524.83	518.50	548.88	42.6	42.5	44.3	12.32	12.20	12.39
Fabricated structural metal products	428.64	431.11	414.39	41.9	42.6	41.9	10.23	10.12	9.89
Screw machine products, bolts, etc.	516.80	513.46	556.06	42.5	42.4	46.3	12.16	12.11	12.01
Metal forgings and stampings	636.23	638.50	598.63	42.7	43.2	46.7	14.90	14.78	14.96
Machinery, except electrical	543.01	506.94	514.72	44.4	42.6	43.4	12.23	11.90	11.86
Construction and related machinery	435.30	429.62	404.61	44.6	44.2	43.6	9.76	9.72	9.28
Metalworking machinery	489.83	501.81	462.04	42.3	43.0	41.7	11.58	11.67	11.08
Special industry machinery	497.99	482.23	465.20	42.6	41.5	40.7	11.69	11.62	11.43
General industrial machinery	514.24	467.52	527.57	44.6	41.3	46.4	11.53	11.32	11.37
Electric and electronic equipment	459.26	447.01	458.64	41.3	40.6	42.0	11.12	11.01	10.92
Electrical industrial apparatus	538.02	514.25	528.12	43.6	42.5	45.1	12.34	12.10	11.71
Transportation equipment	743.20	706.64	773.22	45.4	44.0	47.7	16.37	16.06	16.21
Motor vehicles and equipment	849.41	800.40	869.26	47.4	45.4	49.0	17.92	17.63	17.74
Instruments and related products	413.41	418.84	408.62	41.3	41.8	41.4	10.01	10.02	9.87
Measuring and controlling devices	460.94	467.39	443.52	43.2	43.6	42.2	10.67	10.72	10.51
Nondurable Goods[f]	452.28	444.55	417.15	41.8	41.2	40.5	10.82	10.79	10.30
Food and kindred products	461.58	458.13	402.19	42.0	41.8	40.3	10.99	10.96	9.98
Apparel and other textile products	349.71	315.77	327.92	38.9	35.6	39.7	8.99	8.87	8.26
Paper and allied products	475.84	460.40	490.35	42.6	42.2	42.9	11.17	10.91	11.43
Printing and publishing	439.70	426.28	394.93	39.4	38.3	36.5	11.16	11.13	10.82
Chemicals and allied products	551.32	547.06	502.47	44.0	43.8	42.8	12.53	12.49	11.74
Rubber and misc. plastics products	390.92	385.53	378.59	43.1	42.6	42.3	9.07	9.05	8.95
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	627.59	632.10	608.81	41.7	42.0	41.5	15.05	15.05	14.67
Wholesale Trade	448.27	441.78	427.19	39.6	39.2	39.3	11.32	11.27	10.87
Retail Trade[h]	189.19	188.33	188.76	27.7	27.9	28.3	6.83	6.75	6.67
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	301.65	302.08	306.30	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	356.80	358.20	347.07	30.6	30.8	31.9	11.66	11.63	10.88

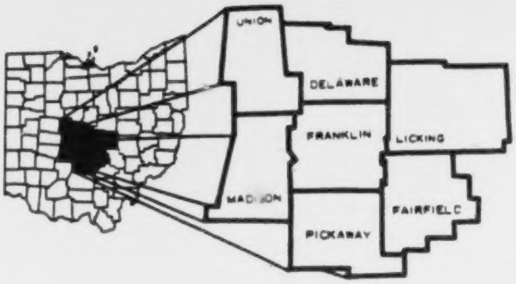
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

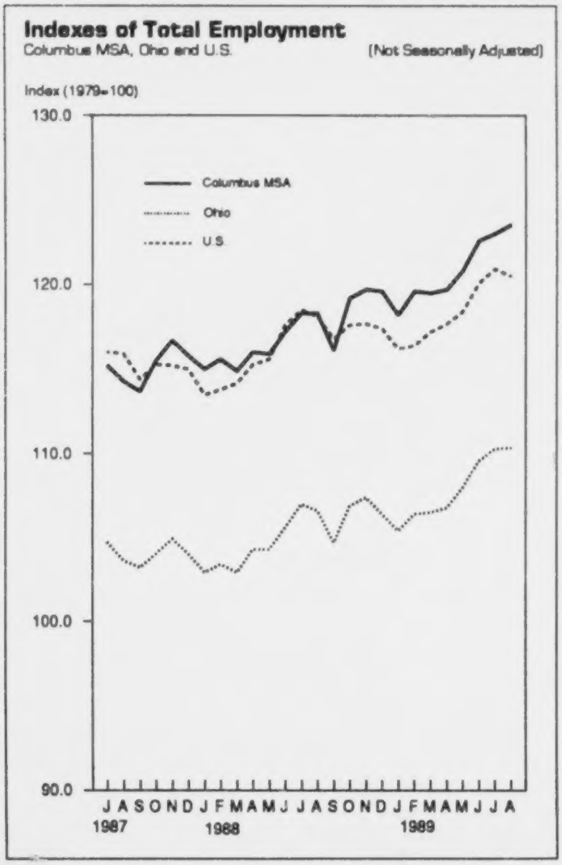
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	3,959	5,155	3,953
Active File of Job Seekers	25,177	52,176	54,399
Referrals to Jobs	2,210	2,502	2,088
Placements	389	838	318
Job Openings Received	1,361	3,786	1,123
Job Openings Unfilled	3,328	3,191	4,293
Unemployment Insurance Program			
Initial Claims	4,522	5,401	4,610
Continued Claims	39,013	48,375	42,280
First Payments	2,145	2,873	2,384
Last Payments	764	878	858
Weeks Compensated	32,550	39,194	35,726
Benefits Paid	$5,089,688	$6,097,840	$5,340,392
Average Weekly Payment	$161.20	$160.39	$152.54

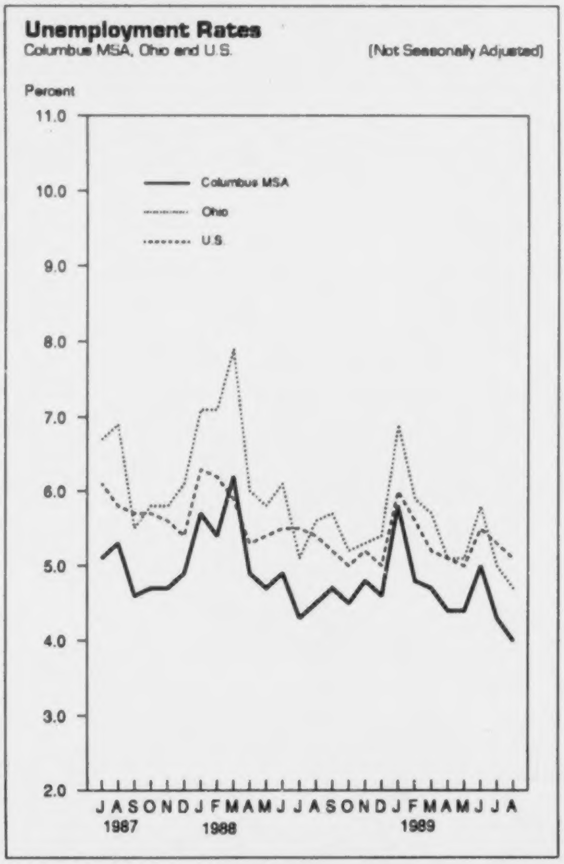
COLUMBUS
METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Columbus metropolitan area totaled 706,600 in September 1989, up 5,300 from the August level. The return of nonteaching personnel in local schools and more business in services and retail trade raised nonmanufacturing employment 4,600. Manufacturing employment, at 104,200, increased 700 over the month due to gains in fabricated metal products and nonelectrical machinery. Factory production worker average hourly earnings of $12.10 were $.11 higher than August. Their average workweek of 41.6 hours was .3 hours longer.

Nonfarm wage and salary employment advanced 23,000 between September 1988 and September 1989. Primary growth industries were services, especially business services, retail trade, and construction. Significant improvements also occurred in finance, insurance, and real estate, wholesale trade, and transportation and public utilities. The manufacturing workforce added 300 jobs during the period with modest gains in instruments and related products and printing and publishing.


Indexes of Total Employment
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1978**	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	**1979**	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	**1983**	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	**1984**	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	**1985**	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	**1986**	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	**1987**	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	**1988**	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
715.4	683.1	32.3	4.5	**August**	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	**September**	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	**October**	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	**November**	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	**December**	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	**January**	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	**February**	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	**March**	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	**April**	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	**May**	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	**June**	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	**July**	699.2	103.2	67.5	496.43	41.3	12.02
742.7	713.3	29.5	4.0	**August**	701.2	103.4	67.7	495.19	41.3	11.99
INA	INA	INA	INA	**September**	706.6	104.2	68.4	503.36	41.6	12.10

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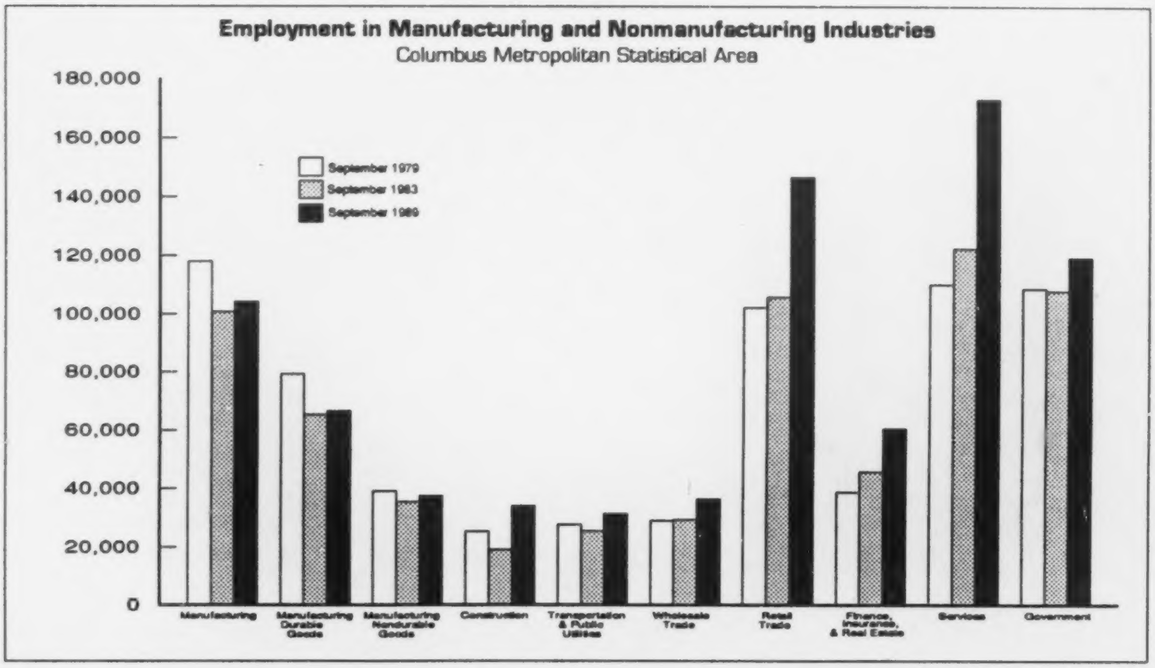


Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	706.6	701.2	683.6	5.3	23.0
Manufacturing	104.2	103.4	103.9	.7	.3
Durable Goods[e]	66.6	65.8	66.1	.8	.6
Stone, clay, and glass products	10.2	10.2	10.1	.1	.2
Glass and glassware, pressed or blown	3.3	3.3	3.1	.0	.2
Fabricated metal products	9.5	9.2	9.3	.3	.2
Fabricated structural metal products	2.6	2.5	2.5	.1	.1
Machinery, except electrical	9.7	9.5	9.9	.2	-.1
Electric and electronic equipment	10.7	10.7	10.7	.0	.0
Transportation equipment	13.4	13.3	13.2	.1	.2
Instruments and related products	4.4	4.4	4.1	.0	.3
Nondurable Goods[f]	37.6	37.6	37.8	-.1	-.3
Food and kindred products	10.3	10.4	10.4	.0	-.1
Printing and publishing	10.8	10.7	10.5	.1	.3
Chemicals and allied products	6.8	6.9	6.8	.0	.1
Rubber and misc. plastics products	5.3	5.4	5.5	-.1	-.2
Nonmanufacturing[g]	602.4	597.8	579.7	4.6	22.7
Construction	34.2	34.3	31.2	-.1	3.0
Transportation and Public Utilities	31.4	31.2	30.3	.2	1.1
Trucking and warehousing	13.4	13.3	12.6	.1	.8
Communication, electric, gas services	11.8	11.8	12.1	.0	-.4
Wholesale Trade	36.4	36.3	35.1	.1	1.3
Wholesale trade-durable goods	23.3	23.3	22.7	.0	.6
Retail Trade	146.5	145.8	140.3	.7	6.2
General merchandise stores	20.5	20.2	20.5	.3	.0
Finance, Insurance, and Real Estate	60.5	60.8	58.9	-.3	1.6
Banking	12.0	12.0	11.6	.0	.4
Insurance carriers	23.9	23.9	23.4	.0	.6
Services	173.0	171.9	164.5	1.1	8.5
Business services	41.9	41.8	38.3	.1	3.6
Health services	43.3	43.5	41.8	-.2	1.5
Hospitals	19.8	20.0	19.2	-.2	.6
Government	119.4	116.5	118.5	2.9	.8
Federal government	15.0	15.3	14.9	-.3	.1
State government	50.0	50.6	49.6	-.7	.4
State government education[i]	17.6	18.0	18.2	-.4	-.6
State government, except education	32.4	32.7	31.4	-.3	1.0
Local government	54.4	50.6	54.1	3.9	.4
Local government education	32.6	28.1	32.5	4.5	.1
Local government, except education	21.8	22.5	21.6	-.6	.3

Columbus MSA

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$503.36	$495.19	$481.48	41.6	41.3	41.4	$12.10	$11.99	$11.63
Durable Goods[e]	507.52	498.90	491.30	41.6	41.3	41.6	12.20	12.08	11.81
Stone, clay, and glass products	517.22	522.53	482.93	43.5	43.8	41.1	11.89	11.93	11.75
Glass and glassware, pressed or blown	459.80	447.79	464.78	42.3	41.5	42.1	10.87	10.79	11.04
Fabricated metal products	502.50	493.16	510.88	40.2	39.9	41.2	12.50	12.36	12.40
Fabricated structural metal products	449.44	442.00	455.10	40.2	40.0	42.1	11.18	11.05	10.81
Machinery, except electrical	476.74	462.68	467.67	41.6	41.2	42.4	11.46	11.23	11.03
Electric and electronic equipment	508.80	479.23	451.67	42.4	41.1	40.4	12.00	11.66	11.18
Transportation equipment	603.35	591.47	586.28	42.4	41.8	42.3	14.23	14.15	13.86
Instruments and related products	408.46	418.40	408.56	39.2	40.0	38.8	10.42	10.46	10.53
Nondurable Goods[f]	494.62	487.34	462.07	41.6	41.3	41.0	11.89	11.80	11.27
Food and kindred products	454.95	437.67	443.69	41.7	40.6	41.7	10.91	10.78	10.64
Printing and publishing	588.47	587.06	559.60	40.5	40.1	40.0	14.53	14.64	13.99
Chemicals and allied products	631.47	595.82	547.55	43.7	41.9	41.2	14.45	14.22	13.29
Rubber and misc. plastics products	376.62	381.55	355.97	41.8	42.3	41.2	9.01	9.02	8.64
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	613.62	617.81	594.46	42.0	42.2	41.6	14.61	14.64	14.29
Wholesale Trade	367.25	363.81	357.21	37.9	37.7	37.8	9.69	9.65	9.45
Retail Trade[h]	192.48	191.23	185.71	28.6	28.8	29.2	6.73	6.64	6.36
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....		.....
Banking	282.09	274.22	267.75	....	....	....	.....		.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	384.50	378.25	355.34	34.3	34.2	34.6	11.21	11.06	10.27

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

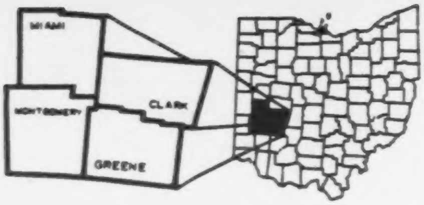
Selected Administrative Program Activities

Columbus MSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	4,049	6,163	4,013
Active File of Job Seekers	23,278	31,350	27,385
Referrals to Jobs	3,682	2,829	2,202
Placements	1,376	1,126	665
Job Openings Received	2,347	5,352	1,270
Job Openings Unfilled	3,204	3,593	2,612
Unemployment Insurance Program			
Initial Claims	3,355	4,259	3,108
Continued Claims	25,637	33,174	25,812
First Payments	1,460	2,028	1,716
Last Payments	521	764	478
Weeks Compensated	21,426	27,484	21,671
Benefits Paid	$3,360,840	$4,250,232	$3,330,440
Average Weekly Payment	$163.89	$163.19	$157.16

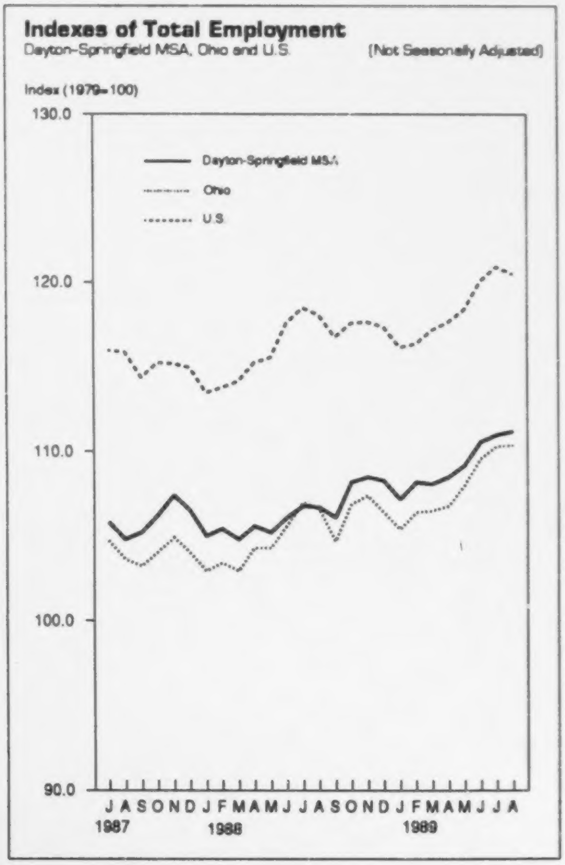
DAYTON - SPRINGFIELD

METROPOLITAN STATISTICAL AREA

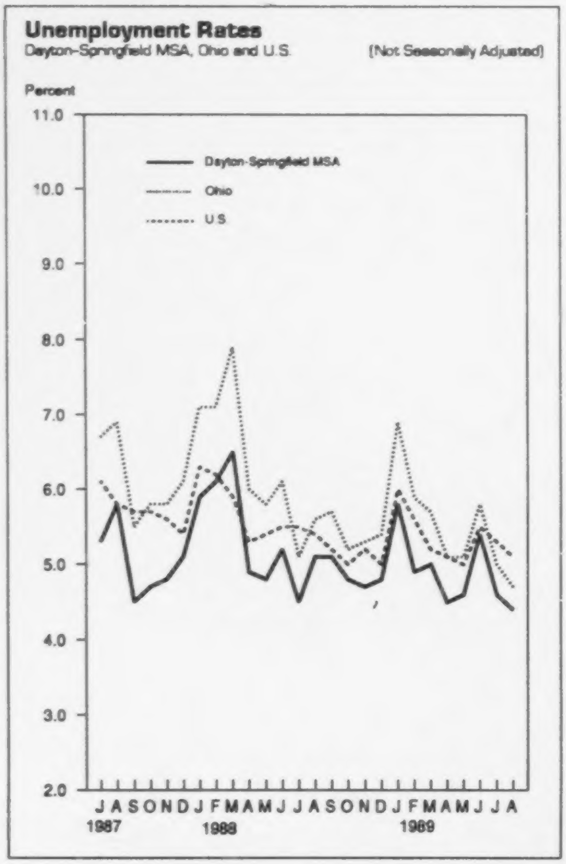


Nonfarm wage and salary employment in the Dayton-Springfield metropolitan area rose 8,400 above the August level to 456,600 in September 1989. The return of nonteaching personnel in local public schools and in private schools raised nonmanufacturing employment 8,000. Manufacturing employment increased 400 to 104,600. Gains in transportation equipment, printing and publishing, and rubber and miscellaneous plastics products outweighed a decline in paper and allied products. Factory production workers averaged $12.99 per hour, $.27 higher than August. Their average workweek of 42.7 hours was .9 hours longer.

Nonagricultural payroll employment advanced 13,800 between September 1988 and September 1989. The growth was concentrated in the nonmanufacturing sector. Significant improvements occurred in services, especially business and health services, federal and local government, retail trade, and construction. The number of manufacturing jobs declined 800 over the year. Noteworthy reductions were registered in transportation equipment, rubber and miscellaneous plastics products, and paper and allied products.


Indexes of Total Employment

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

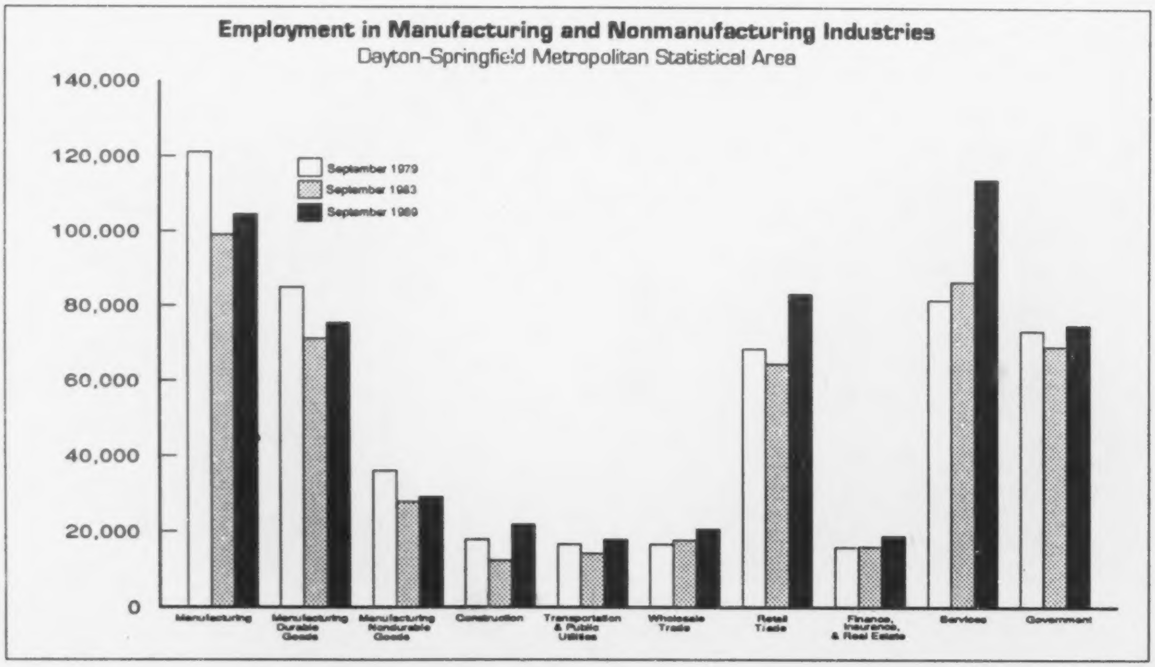

Unemployment Rates

Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1978**	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	**1979**	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	**1983**	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	**1984**	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	**1985**	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	**1986**	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	**1987**	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	**1988**	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
469.6	445.8	23.8	5.1	**August**	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	**September**	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	**October**	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	**November**	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	**December**	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	**January**	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	**February**	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	**March**	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	**April**	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	**May**	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	**June**	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	**July**	447.2	103.8	65.9	540.18	42.4	12.74
486.1	464.8	21.2	4.4	**August**	448.2	104.2	66.2	531.70	41.8	12.72
INA	INA	INA	INA	**September**	456.6	104.6	66.7	554.67	42.7	12.99

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	456.6	448.2	442.8	8.4	13.8
Manufacturing	104.6	104.2	105.4	.4	-.8
Durable Goods[e]	75.5	75.2	75.7	.3	-.2
Fabricated metal products	8.4	8.5	8.5	.0	.0
Machinery, except electrical	30.6	30.5	30.7	.0	-.1
Metalworking machinery	6.6	6.7	6.6	.0	.1
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.8	5.8	5.7	.0	.1
Electrical industrial apparatus	3.3	3.4	3.2	.0	.1
Transportation equipment	20.6	20.3	21.1	.3	-.5
Nondurable Goods[f]	29.1	29.0	29.8	.1	-.6
Food and kindred products	3.1	3.1	3.1	.0	.0
Paper and allied products	5.7	5.8	5.9	-.2	-.3
Printing and publishing	8.9	8.8	9.0	.1	-.1
Rubber and misc. plastics products	7.5	7.4	7.9	.1	-.4
Nonmanufacturing[g]	352.0	344.0	337.4	8.0	14.7
Construction	21.9	22.0	19.7	-.1	2.2
Transportation and Public Utilities	17.9	17.7	17.1	.1	.7
Communication, electric, gas services	5.2	5.2	5.7	.0	-.5
Wholesale Trade	20.6	20.6	19.9	.0	.7
Wholesale trade-durable goods	14.0	14.0	13.7	.0	.3
Retail Trade	83.3	83.0	80.7	.3	2.6
General merchandise stores	12.0	11.8	11.7	.1	.2
Finance, Insurance, and Real Estate	18.7	18.8	18.2	-.1	.5
Banking	4.2	4.3	4.2	-.1	.0
Credit agencies other than banks	4.9	4.8	4.8	.1	.1
Insurance carriers	3.2	3.2	3.0	.0	.2
Services	114.1	111.8	109.0	2.3	5.0
Business services	28.4	28.3	26.3	.1	2.1
Health services	38.4	38.4	37.3	-.1	1.1
Hospitals	19.8	19.8	19.4	.0	.4
Educational services	8.4	5.4	8.6	3.0	-.2
Government	75.2	69.7	72.3	5.5	2.8
Federal government	29.1	29.5	27.2	-.5	1.8
State government	6.4	6.5	6.4	-.1	.0
State government education[i]	3.5	3.5	3.4	.0	.1
State government, except education	2.9	3.0	2.9	-.1	-.1
Local government	39.7	33.7	38.7	6.0	.9
Local government education	24.2	17.9	23.7	6.3	.5
Local government, except education	15.5	15.8	15.0	-.3	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$554.67	$531.70	$552.41	42.7	41.8	43.6	$12.99	$12.72	$12.67
Durable Goods[e]	565.35	546.46	560.64	42.7	42.1	43.8	13.24	12.98	12.80
Fabricated metal products	415.78	394.83	380.02	42.6	41.0	40.6	9.76	9.63	9.36
Machinery, except electrical	594.86	584.47	598.95	43.2	42.6	45.0	13.77	13.72	13.31
Metalworking machinery	608.75	583.95	585.68	47.3	45.8	47.5	12.87	12.75	12.33
General industrial machinery	451.88	494.94	506.21	40.6	43.8	45.4	11.13	11.30	11.15
Electric and electronic equipment	430.43	449.24	451.80	43.0	44.0	44.6	10.01	10.21	10.13
Electrical industrial apparatus	522.76	566.84	541.65	43.6	46.5	47.1	11.99	12.19	11.50
Transportation equipment	726.02	679.00	699.43	43.5	42.2	44.1	16.69	16.09	15.86
Nondurable Goods[f]	520.63	486.71	529.70	42.5	40.9	43.1	12.25	11.90	12.29
Food and kindred products	351.24	348.88	355.28	40.7	40.9	41.7	8.63	8.53	8.52
Paper and allied products	515.94	487.13	509.81	45.1	43.3	45.6	11.44	11.25	11.18
Printing and publishing	494.62	469.17	461.68	41.6	40.1	39.8	11.89	11.70	11.60
Rubber and misc. plastics products	676.91	620.52	719.52	41.3	39.1	43.9	16.39	15.87	16.39
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	579.44	587.39	554.04	41.3	41.6	40.5	14.03	14.12	13.68
Wholesale Trade	399.17	398.59	405.90	39.6	39.7	39.6	10.08	10.04	10.25
Retail Trade[h]	176.08	175.60	163.29	28.4	28.6	26.3	6.20	6.14	5.77
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	386.66	386.66	355.91	34.4	34.4	33.8	11.24	11.24	10.53

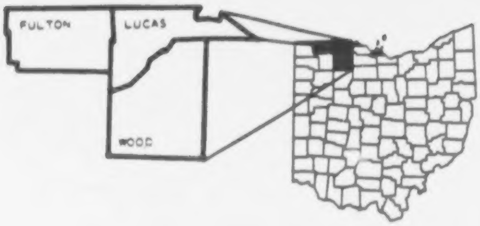
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

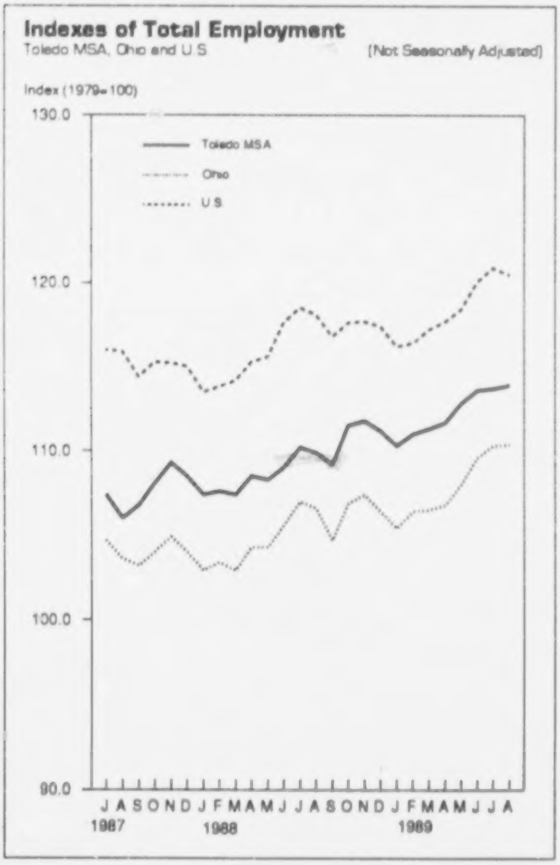
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	1,969	2,934	2,315
Active File of Job Seekers	11,761	15,940	12,538
Referrals to Jobs	1,647	4,632	1,665
Placements	426	3,412	725
Job Openings Received	699	7,630	1,109
Job Openings Unfilled	3,225	3,586	2,065
Unemployment Insurance Program			
Initial Claims	5,647	5,698	2,523
Continued Claims	19,875	26,844	18,407
First Payments	2,428	2,100	1,407
Last Payments	343	399	346
Weeks Compensated	16,509	19,692	16,098
Benefits Paid	$2,552,325	$2,960,164	$2,323,997
Average Weekly Payment	$161.72	$157.83	$147.37

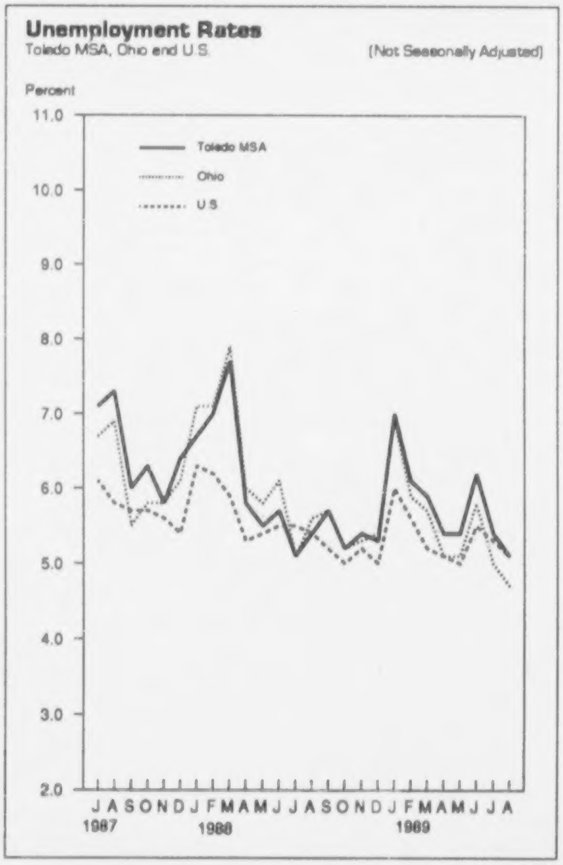
TOLEDO
METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Toledo metropolitan area totaled 298,700 in September 1989, increasing 7,100 above the August level. The return of nonteaching personnel in state and local schools and colleges and more business in services raised nonmanufacturing employment 7,400. Manufacturing employment decreased 200 over the month to 61,400. A decline in transportation equipment negated a seasonal increase in food and kindred products. Factory production workers averaged $13.31 per hour, little changed from August. Their average workweek of 43.6 hours was .3 hours longer.

Nonagricultural wage and salary employment advanced 9,200 between September 1988 and September 1989. The improvement was concentrated in the nonmanufacturing sector with significant expansion in services, especially business services, retail trade, and construction. Manufacturing employment dropped 2,200 during the period. Noteworthy reductions occurred in transportation equipment, fabricated metal products, primary metal industries, and food and kindred products.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

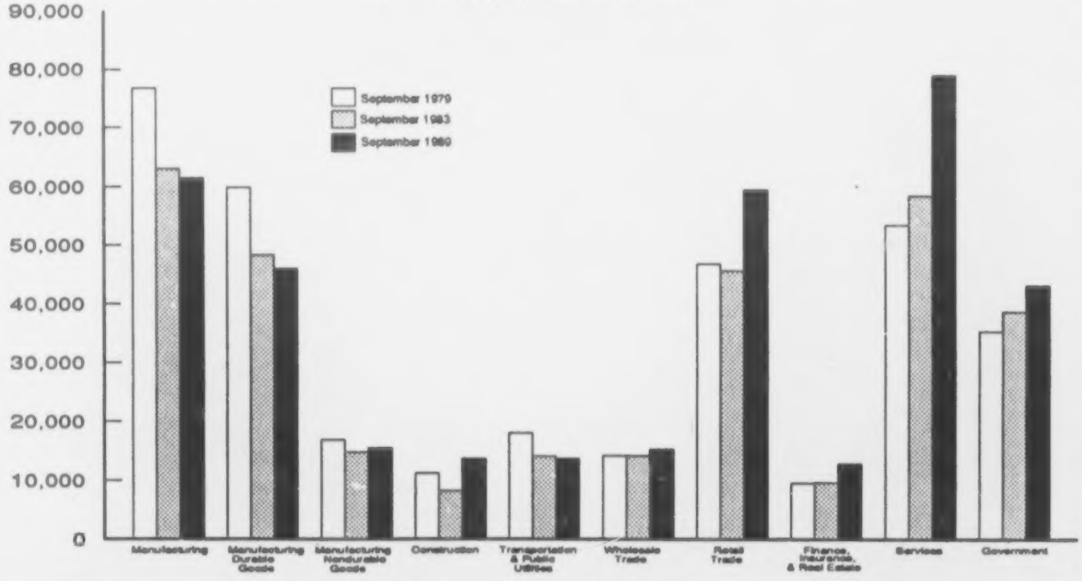

Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	June	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	July	290.7	61.1	43.4	566.24	42.8	13.23
320.9	304.4	16.5	5.1	August	291.5	61.6	44.0	576.76	43.3	13.32
INA	INA	INA	INA	September	298.7	61.4	44.0	580.32	43.6	13.31

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Toledo Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			**Change**[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	298.7	291.5	289.5	7.1	9.2
Manufacturing	61.4	61.6	63.6	-.2	-2.2
Durable Goods[e]	46.0	46.4	47.5	-.5	-1.6
Stone, clay, and glass products	7.6	7.6	7.8	.0	-.2
Primary metal industries	3.3	3.3	3.7	.0	-.3
Fabricated metal products	7.1	7.1	7.5	.0	-.4
Metal forgings and stampings	2.8	2.8	3.2	.0	-.4
Machinery, except electrical	5.7	5.8	5.9	-.1	-.2
Electric and electronic equipment	2.0	2.0	2.1	.0	-.1
Transportation equipment	15.2	15.5	15.7	-.4	-.5
Motor vehicles and equipment	14.2	14.6	14.7	-.4	-.5
Nondurable Goods[f]	15.5	15.2	16.1	.2	-.7
Food and kindred products	4.4	4.2	4.7	.3	-.3
Rubber and misc. plastics products	3.5	3.5	3.7	.0	-.2
Nonmanufacturing[g]	237.3	229.9	225.9	7.4	11.4
Construction	13.6	13.5	11.7	.2	1.9
Transportation and Public Utilities	13.6	13.7	13.4	-.1	.2
Trucking and warehousing	5.8	5.9	5.4	.0	.4
Communication, electric, gas services	4.8	4.8	4.8	.0	.0
Wholesale Trade	15.3	15.3	14.9	.0	.3
Wholesale trade-durable goods	10.2	10.3	10.0	-.1	.2
Retail Trade	59.4	59.2	56.0	.2	3.4
General merchandise stores	8.7	8.6	8.3	.1	.3
Finance, Insurance, and Real Estate	12.7	12.8	12.4	-.1	.4
Banking	3.7	3.7	3.8	.0	.0
Services	79.1	78.5	74.6	.7	4.6
Business services	17.6	17.5	16.0	.1	1.6
Health services	27.7	27.8	27.1	-.1	.6
Hospitals	15.2	15.2	14.9	-.1	.3
Government	43.2	36.7	42.6	6.5	.6
State government	16.0	12.2	15.3	3.8	.6
State government education[i]	11.7	7.9	11.2	3.8	.5
State government, except education	4.2	4.3	4.2	.0	.1
Local government	24.6	21.9	24.6	2.7	-.1
Local government education	14.1	11.1	14.2	3.0	.0
Local government, except education	10.4	10.8	10.5	-.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$580.32	$576.76	$586.49	43.6	43.3	44.6	$13.31	$13.32	$13.15
Durable Goods[e]	596.88	586.95	608.34	43.6	43.0	44.6	13.69	13.65	13.64
Stone, clay, and glass products	543.44	574.21	512.48	41.9	43.9	40.1	12.97	13.08	12.78
Primary metal industries	501.16	484.50	504.13	44.0	42.8	44.3	11.39	11.32	11.38
Fabricated metal products	502.61	464.21	536.46	44.4	41.3	43.9	11.32	11.24	12.22
Metal forgings and stampings	596.17	640.90	645.98	40.2	42.5	43.5	14.83	15.08	14.85
Machinery, except electrical	515.89	504.05	509.92	42.6	42.5	42.6	12.11	11.86	11.97
Electric and electronic equipment	528.28	519.98	583.43	42.5	41.9	46.6	12.43	12.41	12.52
Transportation equipment	771.52	760.06	788.76	44.7	44.5	46.7	17.26	17.08	16.89
Motor vehicles and equipment	778.67	766.74	799.18	44.7	44.5	46.9	17.42	17.23	17.04
Nondurable Goods[f]	525.92	541.01	512.90	43.5	44.2	44.6	12.09	12.24	11.50
Food and kindred products	626.85	689.22	632.94	45.0	48.4	48.8	13.93	14.24	12.97
Rubber and misc. plastics products	376.25	384.91	361.63	43.0	43.2	43.0	8.75	8.91	8.41
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	618.03	604.45	610.06	41.9	41.6	41.9	14.75	14.53	14.56
Wholesale Trade	406.06	406.61	386.06	39.5	40.1	38.8	10.28	10.14	9.95
Retail Trade[h]	163.67	161.21	157.92	27.6	27.7	28.2	5.93	5.82	5.60

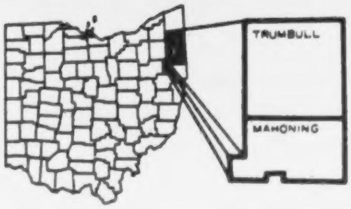
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

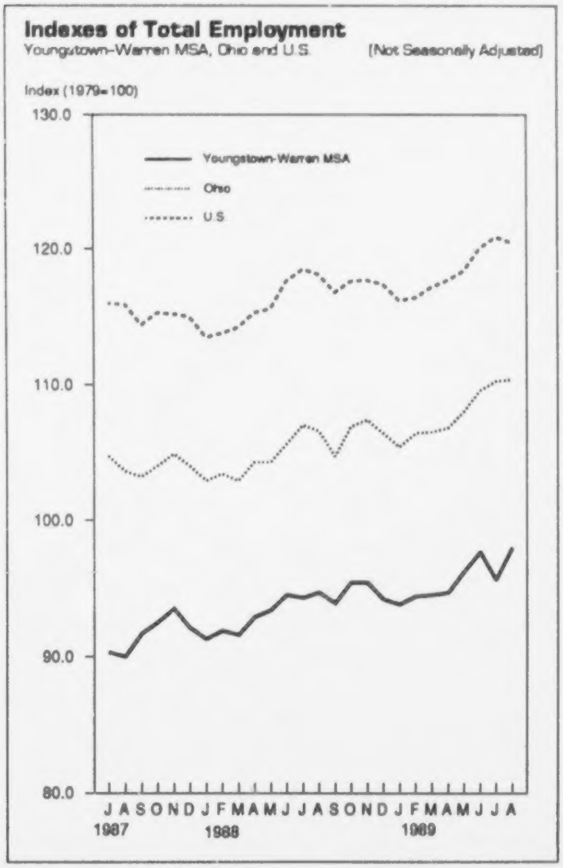
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	1,794	2,537	2,039
Active File of Job Seekers	11,845	19,477	16,676
Referrals to Jobs	1,289	1,894	1,441
Placements	302	785	470
Job Openings Received	510	2,605	951
Job Openings Unfilled	1,279	1,511	1,749
Unemployment Insurance Program			
Initial Claims	2,721	3,029	2,623
Continued Claims	17,381	21,459	15,889
First Payments	1,155	1,566	1,191
Last Payments	245	348	225
Weeks Compensated	15,695	17,792	13,517
Benefits Paid	$2,585,348	$2,844,241	$2,015,180
Average Weekly Payment	$175.72	$168.65	$152.31

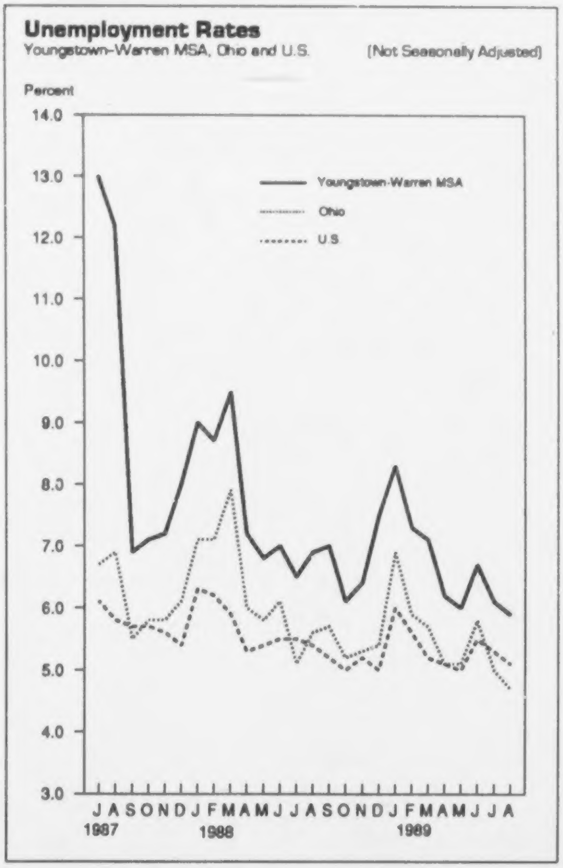
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



In the Youngstown-Warren metropolitan area, nonfarm payroll employment rose 2,700 above the August level to 201,600 in September 1989. The return of nonteaching personnel in local schools and more business in services increased nonmanufacturing employment 2,200. The manufacturing workforce, at 49,400, gained 500 jobs due chiefly to moderate expansion in fabricated metal products. Factory production workers averaged $14.04 per hour, up $.06 from August. Their average workweek of 42.1 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 4,000 between September 1988 and September 1989. The improvement was concentrated in the nonmanufacturing sector. Leading growth industries were services (+3,000), retail trade (+1,900), and construction (+1,100). A significant reduction in primary metal industries (-1,700) and modest declines in transportation equipment and fabricated metal products lowered manufacturing employment 2,400 over the year.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

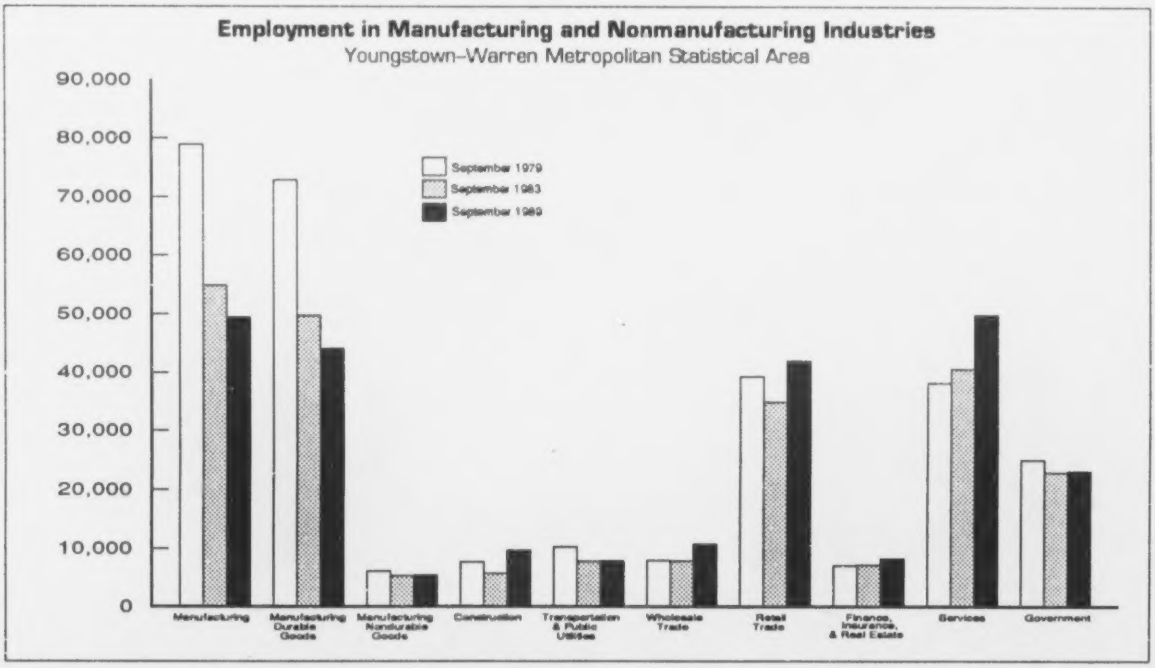

Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
235.2	217.5	17.7	7.5	**1978**	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	**1979**	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	**1980**	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	**1981**	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	**1982**	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	**1983**	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	**1984**	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	**1985**	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	**1986**	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	**1987**	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	**1988**	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
223.8	208.3	15.5	6.9	**August**	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	**September**	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	**October**	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	**November**	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	**December**	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	**January**	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	**February**	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	**March**	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	**April**	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	**May**	200.0	50.1	38.1	600.66	43.4	13.84
230.2	214.9	15.3	6.7	**June**	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	**July**	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	**August**	198.9	48.9	36.8	589.96	42.2	13.98
INA	INA	INA	INA	**September**	201.6	49.4	37.3	591.08	42.1	14.04

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	201.6	198.9	197.6	2.7	4.0
Manufacturing	49.4	48.9	51.8	.5	-2.4
Durable Goods[e]	44.0	43.5	46.3	.5	-2.3
Primary metal industries	17.7	17.8	19.4	.0	-1.7
Blast furnace and basic steel products	5.4	5.5	5.8	.0	-.4
Fabricated metal products	7.4	7.0	7.6	.4	-.2
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.4	.0	-.1
Transportation equipment	9.5	9.4	10.0	.1	-.5
Nondurable Goods[f]	5.3	5.3	5.4	.0	-.1
Nonmanufacturing[g]	152.3	150.1	145.9	2.2	6.4
Construction	9.7	9.7	8.5	-.1	1.1
Transportation and Public Utilities	7.8	7.9	7.7	-.1	.1
Communication, electric, gas services	2.8	2.8	2.9	.0	-.2
Wholesale Trade	10.8	10.7	10.5	.0	.2
Wholesale trade-durable goods	6.8	6.9	6.7	.0	.2
Retail Trade	42.0	42.0	40.1	.0	1.9
General merchandise stores	5.2	5.2	5.2	.0	.0
Finance, Insurance, and Real Estate	8.3	8.4	8.4	-.1	-.1
Banking	2.8	2.8	2.8	.0	.0
Services	49.8	49.1	46.8	.7	3.0
Health services	21.3	21.3	20.6	.0	.7
Hospitals	11.0	11.0	10.7	.0	.3
Government	23.2	21.5	23.1	1.6	.1
State government	3.3	3.4	3.3	-.1	.0
State government education[i]	1.8	1.9	1.8	.0	.0
State government, except education	1.5	1.6	1.5	-.1	.0
Local government	17.7	16.0	17.7	1.7	.0
Local government education	11.2	9.2	11.3	2.1	-.1
Local government, except education	6.5	6.8	6.4	-.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$591.08	$589.96	$589.81	42.1	42.2	43.4	$14.04	$13.98	$13.59
Durable Goods[e]	603.71	602.19	605.17	42.1	42.2	43.6	14.34	14.27	13.88
Primary metal industries	651.77	655.32	653.17	41.7	41.9	43.4	15.63	15.64	15.05
Blast furnace and basic steel products	630.65	627.86	610.16	45.6	45.3	45.5	13.83	13.86	13.41
Fabricated metal products	614.70	577.11	555.03	45.0	43.1	41.7	13.66	13.39	13.31
Machinery, except electrical	511.46	512.62	503.86	42.2	42.4	43.7	12.12	12.09	11.53
Electric and electronic equipment	475.02	477.41	469.96	40.6	40.7	41.7	11.70	11.73	11.27
Transportation equipment	635.90	648.87	668.84	41.4	43.0	46.0	15.36	15.09	14.54
Nondurable Goods[f]	456.96	460.57	425.15	42.0	42.1	41.6	10.88	10.94	10.22
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	596.55	591.60	563.58	41.0	40.8	40.4	14.55	14.50	13.95
Wholesale Trade	387.48	377.72	371.84	39.1	38.9	39.6	9.91	9.71	9.39
Retail Trade[h]	182.65	184.90	175.47	28.1	28.8	29.1	6.50	6.42	6.03

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	2,269	2,576	2,736
Active File of Job Seekers	15,177	24,966	17,310
Referrals to Jobs	1,412	1,570	1,450
Placements	405	371	356
Job Openings Received	691	1,454	518
Job Openings Unfilled	696	857	1,279
Unemployment Insurance Program			
Initial Claims	2,882	3,071	2,170
Continued Claims	14,522	19,060	14,056
First Payments	978	1,724	1,278
Last Payments	210	257	220
Weeks Compensated	13,278	15,980	12,074
Benefits Paid	$1,893,724	$2,387,358	$1,722,414
Average Weekly Payment	$151.16	$158.61	$145.91

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	September 1989	August 1989	September 1988
New Applicants	32,204	43,692	36,557
Active File of Job Seekers	198,252	295,274	249,362
Counseling Interviews	740	807	1,297
Tests Administered	1,314	1,638	2,089
General Aptitude Tests	122	96	268
Proficiency Tests	315	402	380
Specific Aptitude Tests	133	192	322
Referrals to Jobs	25,216	30,703	26,723
Placements	5,770	11,687	6,724
Job Openings Received	11,497	44,961	12,301
Job Openings Unfilled	22,687	24,892	28,473

Selected Unemployment Insurance Activities

	Ohio		
	September 1989	August 1989	September 1988
Initial Claims	44,673	50,739	36,030
Continued Claims	267,086	343,575	274,747
First Payments	17,999	23,255	17,918
Last Payments	4,555	6,004	4,871
Average Weekly Claimants	65,735	72,760	64,414
Average Weekly Benefit Recipients	53,978	59,744	53,834
Weeks Compensated	226,751	282,116	232,742
Benefits Paid	$34,922,857	$43,065,986	$35,206,112
Average Weekly Payment	$161.09	$159.68	$154.62
Continued Claims for Survey Week	65,334	70,095	60,958
Insured Unemployment Rate	1.5	1.6	1.5
Net Contributions	INA	$123,951,831	$3,092,776
Active Employer Accounts	204,610	204,563	201,088

INA = Information Not Available

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Ohio
Labor
Market
Information

Labor Market Review

October 1989

Summary. Ohio's seasonally adjusted unemployment rate increased from 5.0 percent in September to 6.1 percent in October. The national rate, at 5.3 percent, was unchanged from September. The number of unemployed workers in Ohio was up 59,000 to 334,000. Total employment in the State fell 47,000 to 5,169,000. Nonagricultural wage and salary employment rose fractionally from September to 4,816,000 in October. Increases in nonmanufacturing industries were mostly offset by a decline in manufacturing employment. (See page 3.)

Factory Employment. Losses in most durable-goods industries lowered manufacturing employment 9,000 from September to 1,097,000 in October. Durable-goods employment, at 735,000, was down 10,000 due chiefly to labor-management disputes in nonelectrical machinery and primary metal industries. Nondurable-goods employment rose 1,000 to 362,000. Increases in rubber and miscellaneous plastics products and in food and kindred products were moderated by a decline in printing and publishing.

Nonmanufacturing. Nonmanufacturing employment in Ohio rose 10,000 from September to 3,719,000 in October. Retail trade and government each increased 3,000, while services added 2,000 jobs. Construction and wholesale trade advanced 1,000 jobs. No employment changes occurred in mining, transportation and public utilities, or finance, insurance, and real estate.

Over the Year. The unemployment rate in Ohio rose from 5.6 percent in October 1988 to 6.1 percent in October 1989. The U.S. rate was 5.3 percent, unchanged from October 1988. Ohio's total employment increased 120,000 over the year, while the number of unemployed Ohioans was up 34,000. Nonfarm wage and salary employment rose 111,000 from October 1988. The largest growth was in services (+49,000) and in retail trade (+31,000). Employment in construction increased 14,000. Labor-management disputes in durable-goods industries accounted for much of the over-the-year reduction in manufacturing employment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $521.94 per week in October, down $6.64 from September. Their average workweek of 42.4 hours was .4 hours shorter. Several industries had reduced earnings due to less overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, miscellaneous plastics products, and blast furnace and basic steel products.

Benefits and Costs. In October, 57,166 initial claims were filed under the Ohio Unemployment Compensation Law, up 28.0 percent from September, and up 31.4 percent from October 1988. The average benefit check rose $6.62 to $167.71. Total benefits paid, at $37.1 million, were up

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

6.3 percent. The average weekly number of benefit recipients increased 3.4 percent from September to 55,791. At the end of October there were 204,991 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 37,382 new job applicants in October, up 16.1 percent from September, but down 2.4 percent from October 1988. Job openings received from employers fell 7.8 percent from September to 10,595. The Employment Services Division made 24,961 job referrals and 5,736 placements.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1989 through September 30, 1990.

See pages 14 and 15 for listings of cities and counties.

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	October 1989	September 1989	October 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,503	5,491	5,349	12	154	0.2	2.9
Employment	5,169	5,216	5,049	-47	120	-0.9	2.4
Unemployment	334	275	300	59	34	21.5	11.3
Unemployment Rate	6.1	5.0	5.6				
Employer Survey Data[e]							
Total	4,816	4,815	4,704	1	111	0.0	2.4
Manufacturing	1,097	1,106	1,105	-9	-9	-0.8	-0.8
Durable Goods	735	745	746	-10	-11	-1.3	-1.4
Nondurable Goods	362	361	360	1	2	0.3	0.6
Nonmanufacturing	3,719	3,709	3,599	10	120	0.3	3.3
Mining	20	20	19	0	0	-0.4	2.0
Construction	198	198	184	1	14	0.3	7.6
Transportation and Public Utilities	215	215	212	0	3	0.1	1.3
Wholesale Trade	264	263	257	1	7	0.3	2.8
Retail Trade	915	912	884	3	31	0.4	3.5
Finance, Insurance, and Real Estate	257	257	252	0	5	0.2	2.1
Services	1,147	1,145	1,097	2	49	0.1	4.5
Government	703	699	693	3	9	0.5	1.4
Goods Producing Industries[f]	1,315	1,323	1,309	-9	6	-0.6	0.4
Service Producing Industries[g]	3,501	3,491	3,396	10	105	0.3	3.1

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

[b] Changes are computed from unrounded numbers.

[c] Percentages are computed from unrounded numbers.

[d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

[e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

[f] Includes Mining, Construction, and Manufacturing.

[g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

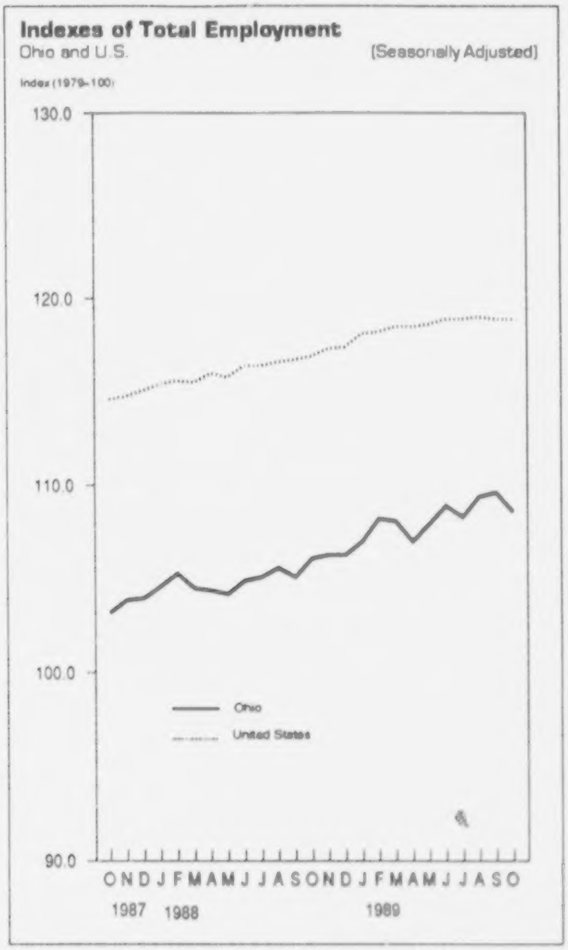
Civilian Labor Force			Unemployment Rates			Total Nonagricultural Employment			
							Manufacturing Employment		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1987				
5,231	4,910	321	6.1	6.0	October	4,617	1,105	745	360
5,270	4,946	324	6.1	5.9	November	4,631	1,106	746	360
5,279	4,949	330	6.3	5.8	December	4,650	1,110	748	362
					1988				
5,324	4,981	343	6.4	5.8	January	4,637	1,104	744	360
5,355	5,014	341	6.4	5.7	February	4,644	1,103	743	359
5,369	4,974	395	7.4	5.6	March	4,653	1,097	737	360
5,301	4,970	331	6.2	5.5	April	4,656	1,101	742	360
5,284	4,960	324	6.1	5.6	May	4,661	1,100	742	359
5,306	4,994	312	5.9	5.4	June	4,671	1,102	742	360
5,294	5,004	290	5.5	5.4	July	4,676	1,101	742	359
5,329	5,028	301	5.6	5.6	August	4,680	1,100	741	358
5,311	5,004	307	5.8	5.4	September	4,691	1,103	743	359
5,349	5,049	300	5.6	5.3	October	4,704	1,105	746	360
5,366	5,059	307	5.7	5.4	November	4,721	1,110	750	361
5,355	5,060	295	5.5	5.3	December	4,733	1,111	750	362
					1989				
5,426	5,094	332	6.1	5.4	January	4,764	1,122	757	364
5,432	5,152	280	5.2	5.1	February	4,772	1,118	754	364
5,428	5,144	284	5.2	5.0	March	4,777	1,114	751	363
5,381	5,093	288	5.4	5.3	April	4,778	1,110	748	362
5,434	5,138	296	5.4	5.2	May	4,780	1,107	747	360
5,490	5,183	307	5.6	5.3	June	4,786	1,107	746	361
5,450	5,157	293	5.4	5.2	July	4,787	1,100	740	359
5,469	5,209	260	4.8	5.2	August	4,807	1,108	748	360
5,491	5,216	275	5.0	5.3	September	4,815	1,106	745	361
5,503	5,169	334	6.1	5.3	October	4,816	1,097	735	362

Nonmanufacturing Employment

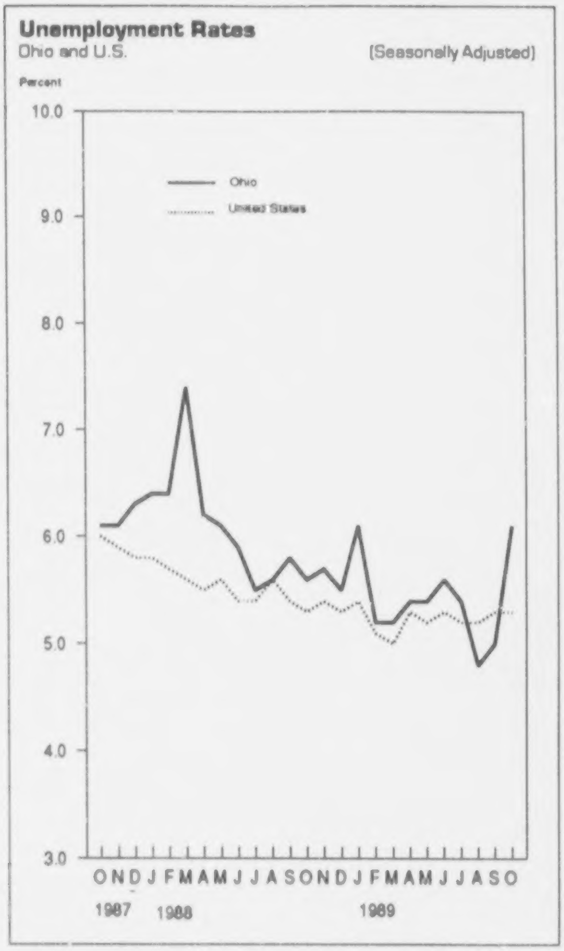
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1987				
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
					1988				
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
					1989				
3,642	19	196	213	259	January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,672	19	196	214	261	May	902	255	1129	696
3,679	20	197	214	261	June	906	255	1132	694
3,688	17	197	214	262	July	908	255	1136	698
3,700	20	197	215	263	August	910	256	1140	698
3,709	20	198	215	263	September	912	257	1145	699
3,719	20	198	215	264	October	915	257	1147	703

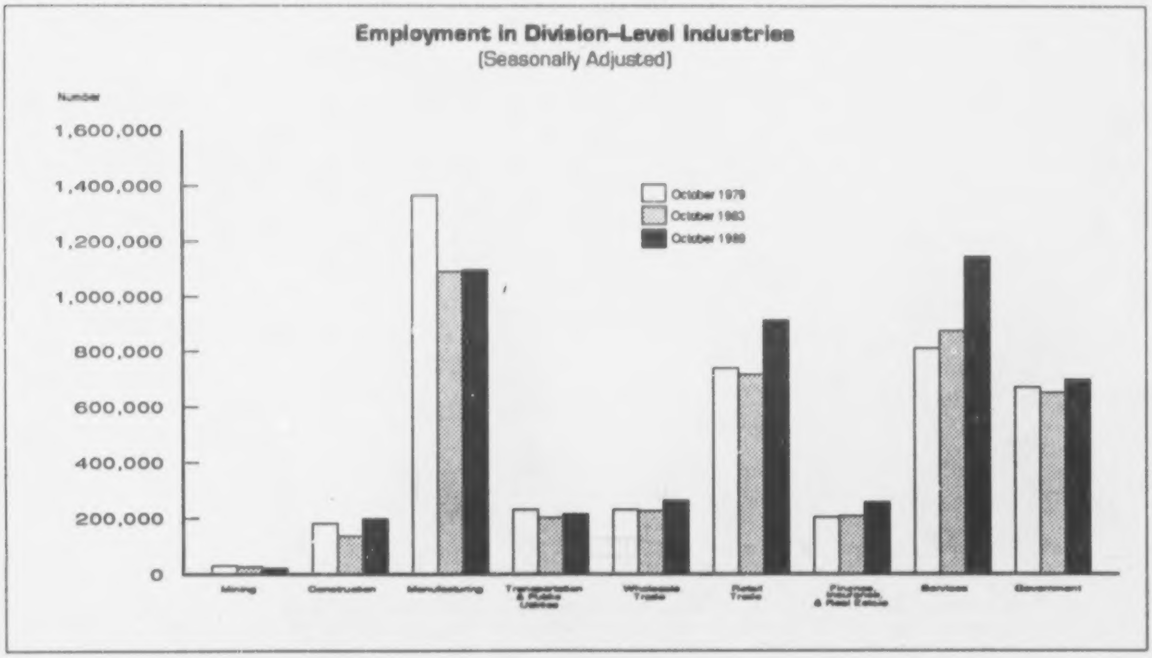
[a] *Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision.* Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review.*



Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)



Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)



Employment in Division-Level Industries
(Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rates			Total Nonagricultural Employment			
							Manufacturing Employment		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
4,959	4,690	268	5.4	6.1	**1978**	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	**1979**	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	**1980**	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	**1981**	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	**1982**	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	**1983**	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	**1984**	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	**1985**	4,372.9	1,124.3	768.7	355.5
5,232	4,806	425	8.1	7.0	**1986**	4,471.4	1,109.8	752.7	357.1
5,254	4,887	367	7.0	6.2	**1987**	4,582.6	1,098.9	740.4	358.4
5,328	5,008	320	6.0	5.5	**1988**	4,683.0	1,103.1	743.6	359.6
					1988				
5,365	5,087	278	5.2	5.0	**October**	4,757.7	1,110.3	747.8	362.5
5,400	5,113	287	5.3	5.2	**November**	4,834.7	1,115.7	753.3	362.3
5,352	5,066	286	5.4	5.0	**December**	4,781.8	1,115.1	752.5	362.6
					1989				
5,384	5,015	369	6.9	6.0	**January**	4,669.0	1,112.2	751.4	360.8
5,380	5,063	317	5.9	5.6	**February**	4,671.4	1,107.3	747.9	359.4
5,375	5,068	307	5.7	5.2	**March**	4,707.6	1,106.9	748.1	358.8
5,357	5,085	273	5.1	5.1	**April**	4,761.0	1,107.1	748.4	358.7
5,419	5,143	277	5.1	5.0	**May**	4,811.3	1,107.5	748.7	358.8
5,537	5,216	321	5.8	5.5	**June**	4,831.8	1,112.5	750.8	361.7
5,526	5,248	277	5.0	5.3	**July**	4,791.5	1,099.6	739.6	360.0
5,517	5,257	261	4.7	5.1	**August**	4,807.2	1,109.4	746.3	363.1
5,460	5,192	269	4.9	5.1	**September**	4,855.2	1,113.3	747.0	366.3
5,513	5,203	310	5.6	5.0	**October**	4,871.1	1,101.8	737.1	364.7

Nonmanufacturing Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	**1978**	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	**1979**	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	**1980**	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	**1981**	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	**1982**	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	**1983**	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	**1984**	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	**1985**	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	**1986**	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	**1987**	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	**1988**	876.5	249.8	1,087.8	696.8
					1988				
3,647.4	19.8	203.0	215.0	258.4	**October**	891.8	252.1	1,105.1	702.2
3,719.0	19.7	197.4	214.7	258.5	**November**	906.0	252.1	1,102.1	768.5
3,666.6	19.5	188.0	215.3	259.1	**December**	921.4	252.4	1,101.0	710.0
					1989				
3,556.9	18.9	167.0	208.7	256.9	**January**	877.0	250.3	1,083.4	694.5
3,564.1	18.6	162.2	208.5	256.9	**February**	867.2	250.8	1,091.8	708.0
3,600.8	18.7	170.8	209.7	257.8	**March**	876.3	251.5	1,103.0	712.9
3,653.9	19.0	184.7	212.8	259.7	**April**	889.8	253.1	1,125.5	709.3
3,703.7	19.2	197.0	214.3	261.3	**May**	904.2	254.6	1,138.7	714.4
3,719.4	19.8	206.5	216.0	263.1	**June**	912.5	257.0	1,149.9	694.5
3,692.0	17.0	215.0	216.0	263.8	**July**	913.8	258.5	1,151.2	656.5
3,697.8	20.1	218.0	217.0	263.8	**August**	918.6	259.0	1,152.6	648.7
3,741.9	20.2	217.3	217.3	263.7	**September**	920.1	257.8	1,160.2	685.3
3,769.3	20.2	218.1	217.8	265.8	**October**	923.4	257.4	1,154.9	711.7

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment

	Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1978	1,377.2	974.5	402.7
1979	1,382.3	980.5	401.8
1980	1,264.3	882.6	381.8
1981	1,232.6	860.4	372.2
1982	1,099.9	752.4	347.5
1983	1,066.0	723.6	342.4
1984	1,127.0	773.4	353.6
1985	1,124.3	768.7	355.5
1986	1,109.8	752.7	357.1
1987	1,098.9	740.4	358.4
1988	1,103.1	743.6	359.6
1988			
October	1,110.3	747.8	362.5
November	1,115.7	753.3	362.3
December	1,115.1	752.5	362.6
1989			
January	1,112.2	751.4	360.8
February	1,107.3	747.9	359.4
March	1,106.9	748.1	358.8
April	1,107.1	748.4	358.7
May	1,107.5	748.7	358.8
June	1,112.5	750.8	361.7
July	1,099.6	739.6	360.0
August	1,109.4	746.3	363.1
September	1,113.3	747.0	366.3
October	1,101.8	737.1	364.7

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1978	985.5	$302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	759.1	391.7	32.6
1988			
October	765.5	400.4	33.1
November	771.1	410.1	33.7
December	770.1	411.5	33.7
1989			
January	766.2	404.1	33.1
February	762.0	400.1	32.8
March	761.4	400.2	32.7
April	761.4	397.0	32.5
May	761.1	397.5	32.5
June	764.1	402.9	32.8
July	750.5	383.3	31.5
August	759.9	391.3	32.0
September	764.7	404.2	32.7
October	754.5	393.8	32.0

Production Worker Average Weekly Earnings

	Manu-facturing	Durable Goods	Nondurable Goods
1978	$306.91	$316.83	$279.30
1979	325.36	335.30	297.78
1980	347.94	358.57	319.99
1981	389.78	401.64	358.16
1982	403.81	414.80	378.95
1983	437.18	452.35	402.52
1984	463.61	482.38	417.83
1985	477.96	499.56	425.80
1986	486.68	507.95	439.71
1987	499.70	519.52	455.03
1988	516.00	538.59	465.47
1988			
October	523.06	546.69	467.84
November	531.83	557.80	472.43
December	534.36	557.80	479.62
1989			
January	527.47	551.06	472.36
February	525.03	547.67	472.63
March	525.53	549.41	470.50
April	521.37	542.59	473.71
May	522.22	543.46	471.86
June	527.24	546.05	480.48
July	510.72	526.66	472.79
August	514.88	530.87	476.74
September	528.58	548.66	482.05
October	521.94	541.86	477.77

Production Worker Average Weekly Hours

	Manu-facturing	Durable Goods	Nondurable Goods
1978	42.1	42.3	41.5
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1988			
October	43.3	43.7	42.3
November	43.7	44.2	42.6
December	43.8	44.2	42.9
1989			
January	43.2	43.7	42.1
February	43.0	43.5	41.9
March	42.9	43.5	41.6
April	42.7	43.2	41.7
May	42.7	43.2	41.5
June	42.9	43.2	42.0
July	42.0	42.2	41.4
August	42.1	42.3	41.6
September	42.8	43.1	42.1
October	42.4	42.7	41.8

Production Worker Average Hourly Earnings

	Manu-facturing	Durable Goods	Nondurable Goods
1978	$ 7.29	$ 7.49	$ 6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	12.00	12.41	11.03
1988			
October	12.08	12.51	11.06
November	12.17	12.62	11.09
December	12.20	12.62	11.18
1989			
January	12.21	12.61	11.22
February	12.21	12.59	11.28
March	12.25	12.63	11.31
April	12.21	12.56	11.36
May	12.23	12.58	11.37
June	12.29	12.64	11.44
July	12.16	12.48	11.42
August	12.23	12.55	11.46
September	12.35	12.73	11.45
October	12.31	12.69	11.43

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Employment
(thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	**1978**	216.7	122.2	164.1	**1978**	74.6	66.6	107.4
69.7	158.9	175.5	**1979**	223.6	117.6	165.8	**1979**	74.4	67.6	106.7
64.5	139.8	157.6	**1980**	211.4	106.4	139.1	**1980**	72.7	67.4	92.7
61.0	138.3	154.9	**1981**	204.2	101.9	136.9	**1981**	69.2	66.1	89.0
54.2	112.7	134.9	**1982**	176.7	93.4	121.7	**1982**	66.9	63.2	80.4
52.1	104.1	129.7	**1983**	154.3	89.4	132.1	**1983**	63.4	62.8	82.7
52.5	108.9	138.7	**1984**	167.3	93.1	144.9	**1984**	62.8	65.1	90.8
50.4	101.8	139.5	**1985**	166.2	90.7	151.2	**1985**	62.9	66.8	91.4
49.5	95.4	136.5	**1986**	158.6	89.1	153.9	**1986**	63.0	68.4	92.7
48.4	95.8	133.1	**1987**	155.2	86.7	149.0	**1987**	63.1	70.5	91.9
47.8	99.9	133.0	**1988**	158.7	86.3	141.8	**1988**	62.5	71.5	90.8
			1988				**1988**			
48.2	100.9	133.5	**October**	160.4	86.6	140.6	**October**	63.9	72.0	91.5
48.4	101.6	134.4	**November**	161.7	86.9	142.6	**November**	63.4	72.0	91.8
47.8	102.0	134.8	**December**	162.7	86.8	140.9	**December**	63.4	72.3	91.5
			1989				**1989**			
47.0	101.3	134.9	**January**	163.0	86.5	141.6	**January**	62.5	71.9	91.3
46.7	100.7	133.6	**February**	163.1	85.7	141.0	**February**	61.1	71.8	91.3
47.4	100.2	133.2	**March**	163.2	85.6	141.0	**March**	61.1	71.7	90.9
48.0	100.1	133.5	**April**	163.2	85.4	140.3	**April**	61.2	71.5	90.7
48.0	100.0	133.6	**May**	163.4	85.1	140.0	**May**	61.7	71.8	90.0
48.4	100.0	133.2	**June**	163.7	85.4	140.6	**June**	63.0	72.2	90.0
48.1	97.9	131.2	**July**	163.5	85.0	133.9	**July**	62.6	72.0	88.5
48.5	99.2	131.3	**August**	162.8	85.2	138.6	**August**	63.9	72.2	89.8
48.2	99.5	133.3	**September**	162.8	86.0	136.1	**September**	66.4	72.7	90.4
47.8	97.0	132.1	**October**	159.1	85.2	135.2	**October**	64.4	72.7	91.1

Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$274.81	$366.24	$307.23	**1978**	$306.16	$268.45	$389.66	**1978**	$281.15	$285.18	$282.73
293.34	395.43	323.38	**1979**	329.09	289.27	391.56	**1979**	304.50	302.62	300.66
315.43	422.01	349.34	**1980**	352.77	316.31	414.83	**1980**	329.85	320.92	323.61
348.02	484.04	389.61	**1981**	389.16	350.27	471.50	**1981**	362.75	347.70	368.67
376.88	480.54	398.77	**1982**	392.63	366.56	506.99	**1982**	386.04	358.45	381.11
400.57	503.85	460.65	**1983**	424.09	394.63	557.92	**1983**	403.79	375.62	412.25
419.15	537.21	475.30	**1984**	467.61	420.65	603.46	**1984**	419.19	386.30	419.99
434.30	548.83	492.15	**1985**	475.58	433.30	635.26	**1985**	413.25	395.14	429.17
443.81	559.93	494.91	**1986**	485.18	459.80	632.06	**1986**	416.83	410.70	438.96
449.82	602.53	500.12	**1987**	502.36	463.01	638.13	**1987**	440.34	429.00	441.34
463.30	626.44	516.77	**1988**	526.48	472.50	675.24	**1988**	446.04	445.22	448.24
			1988				**1988**			
468.47	628.60	522.97	**October**	537.14	470.12	699.79	**October**	440.37	448.33	454.14
473.90	639.77	531.29	**November**	545.13	477.99	717.02	**November**	452.83	449.80	459.46
463.01	636.55	531.73	**December**	549.70	484.65	721.82	**December**	456.89	463.65	459.72
			1989				**1989**			
462.34	629.95	520.22	**January**	551.15	481.38	702.15	**January**	441.08	445.02	460.42
463.49	619.89	512.40	**February**	543.22	470.40	714.48	**February**	440.18	451.61	451.93
465.38	621.72	511.20	**March**	545.43	466.34	724.23	**March**	449.35	454.31	442.68
470.98	624.34	512.48	**April**	541.11	464.26	683.99	**April**	455.20	447.70	446.69
464.88	620.64	515.82	**May**	538.74	462.73	691.75	**May**	455.10	446.18	453.05
472.01	632.19	507.53	**June**	536.36	460.37	712.80	**June**	469.79	447.30	462.03
472.01	605.52	499.62	**July**	521.00	448.34	676.24	**July**	462.00	449.26	447.72
476.87	612.14	490.69	**August**	519.78	458.97	688.97	**August**	468.00	450.45	446.04
471.16	627.64	523.98	**September**	536.98	462.56	724.36	**September**	456.12	469.57	453.69
481.34	611.40	511.98	**October**	534.92	465.37	713.46	**October**	456.20	467.57	443.73

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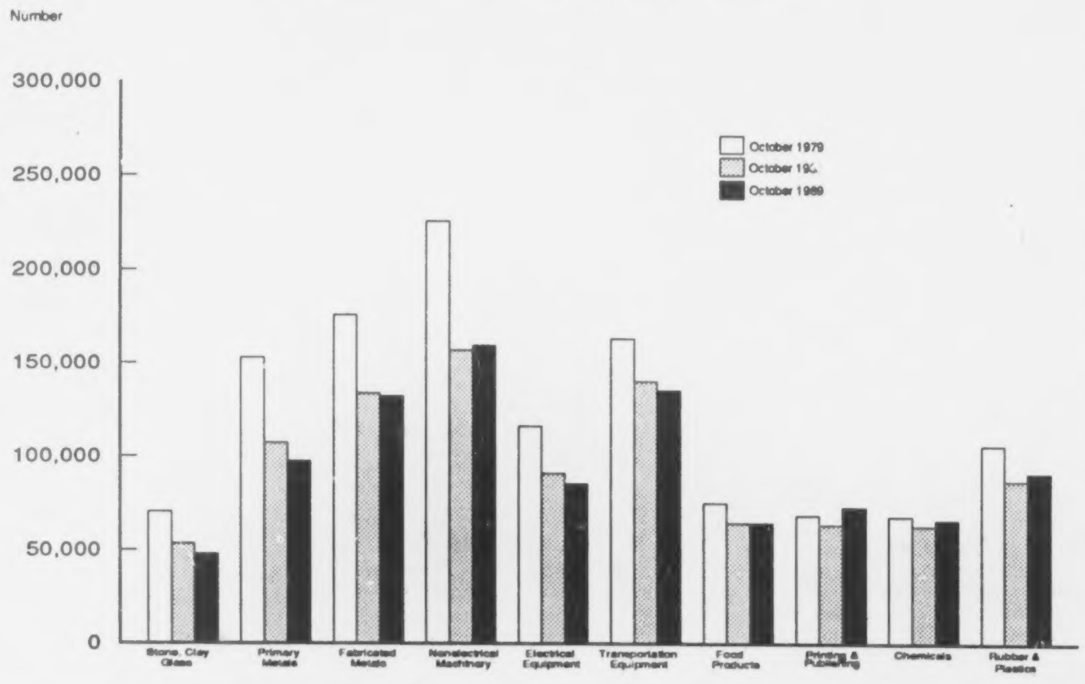
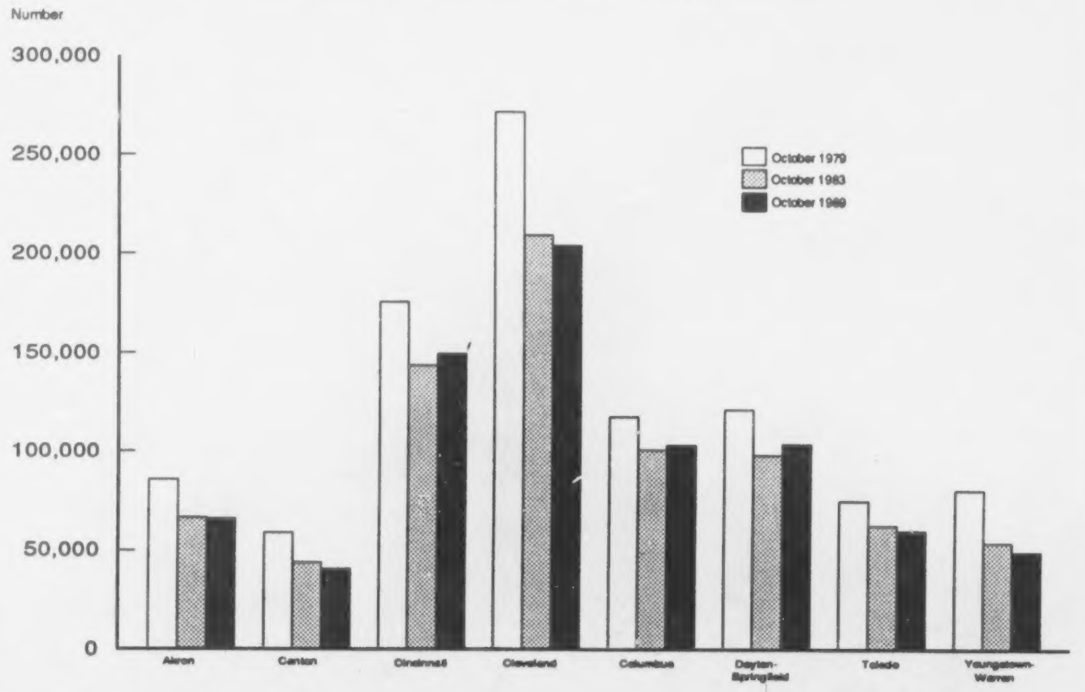
[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	4871.1	4855.2	4757.7	15.8	113.4
Manufacturing	1101.8	1113.3	1110.3	-11.6	-8.5
Durable Goods[e]	737.1	747.0	747.8	-10.0	-10.7
Lumber and wood products	25.2	25.4	23.2	-.2	2.0
Furniture and fixtures	14.8	14.9	15.1	-.2	-.3
Stone, clay, and glass products	47.8	48.2	48.2	-.4	-.5
Glass and glassware, pressed or blown	8.9	8.9	8.7	.0	.1
Primary metal industries	97.0	99.5	100.9	-2.6	-3.9
Blast furnace and basic steel products	42.7[j]	45.3	45.3	-2.5	-2.5
Iron and steel foundries	19.8	19.7	20.2	.1	-.4
Nonferrous rolling and drawing	17.2	17.2	18.1	.0	-.9
Fabricated metal products	132.1	133.3	133.5	-1.3	-1.4
Cutlery, hand tools, and hardware	9.6	9.6	10.2	.0	-.6
Fabricated structural metal products	28.3	28.6	28.2	-.4	.1
Metal forgings and stampings	40.1	40.3	41.4	-.1	-1.3
Machinery, except electrical	159.1	162.8	160.4	-3.6	-1.3
Construction and related machinery	13.5	13.6	13.5	-.1	.1
Metalworking machinery	43.1	43.2	41.8	.0	1.3
Special industry machinery	18.3	18.3	18.0	.0	.3
General industrial machinery	25.8[j]	28.7	28.4	-2.9	-2.7
Office and computing machines	12.0	12.2	12.5	-.2	-.5
Refrigeration and service machinery	15.7	16.0	16.1	-.3	-.4
Electric and electronic equipment	85.2	86.0	86.6	-.8	-1.5
Electrical industrial apparatus	17.7	17.7	17.4	.0	.3
Household appliances	15.5	15.9	16.0	-.4	-.5
Electric lighting and wiring equipment	16.8	16.9	17.6	-.2	-.8
Communication equipment	9.3	9.3	9.3	.0	.0
Transportation equipment	135.2	136.1	140.6	-.9	-5.4
Motor vehicles and equipment	89.9	91.1	95.7	-1.1	-5.8
Aircraft and parts	36.7	36.5	36.2	.3	.5
Instruments and related products	24.9	24.8	24.3	.1	.7
Measuring and controlling devices	13.4	13.4	13.3	.0	.0
Nondurable Goods[f]	364.7	366.3	362.5	-1.6	2.2
Food and kindred products	64.4	66.4	63.9	-2.0	.5
Meat products	8.7	8.7	8.6	.0	.1
Dairy products	9.5	9.5	9.6	-.1	-.1
Preserved fruits and vegetables	12.9	15.1	12.6	-2.2	.3
Bakery products	9.6	9.7	9.5	-.1	.1
Beverages	9.0	8.9	9.3	.0	-.4
Apparel and other textile products	15.9	16.1	15.7	-.2	.2
Paper and allied products	37.0	37.0	37.1	.0	-.1
Misc. converted paper products	11.9	12.0	12.1	.0	-.2
Paperboard containers and boxes	13.5	13.3	13.0	.2	.4
Printing and publishing	72.7	72.7	72.0	.0	.7
Newspapers	19.0	18.8	18.9	.2	.1
Commercial printing	28.5	28.6	28.3	-.1	.2
Chemicals and allied products	65.9	66.0	64.4	-.1	1.6
Industrial inorganic chemicals	8.7	8.7	8.5	.0	.2
Rubber and misc. plastics products	91.1	90.4	91.5	.7	-.4
Tires and inner tubes	14.4	14.4	14.8	.0	-.4
Miscellaneous plastics products	56.3	55.8	56.5	.5	-.2

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3769.3	3741.9	3647.4	27.4	121.9
Mining	20.2	20.2	19.8	.0	.4
Bituminous coal and lignite mining	8.1	8.1	7.9	.0	.2
Oil and gas extraction	6.7	6.7	6.7	.1	.0
Construction	218.1	217.3	203.0	.9	15.1
General building contractors	53.5	53.5	50.8	.0	2.6
Heavy construction contractors	29.4	29.5	27.3	-.1	2.1
Highway and street construction	11.4	11.7	10.8	-.3	.6
Special trade contractors	135.3	134.3	124.9	1.0	10.4
Transportation and Public Utilities	217.8	217.3	215.0	.5	2.7
Railroad transportation	12.8	12.9	13.3	-.1	-.6
Transportation, except railroads	117.7	116.8	113.4	.9	4.2
Trucking and warehousing	79.7	79.1	77.3	.6	2.4
Communication, electric, gas services	87.3	87.6	88.2	-.3	-.9
Communication	45.6	45.6	46.5	.0	-.9
Electric, gas, and sanitary services	41.8	42.0	41.8	-.3	.0
Wholesale Trade	265.8	263.7	258.4	2.1	7.4
Wholesale trade-durable goods	167.9	166.7	163.6	1.1	4.3
Motor vehicles & automotive equipment	23.2	23.1	22.7	.1	.5
Electrical goods	18.7	18.5	18.4	.2	.3
Machinery, equipment, and supplies	71.4	71.1	69.8	.4	1.6
Wholesale trade-nondurable goods	98.0	97.0	94.9	1.0	3.1
Groceries and related products	31.3	31.0	30.4	.3	1.0
Retail Trade	923.4	920.1	891.8	3.3	31.6
General merchandise stores	125.5	122.3	123.2	3.2	2.4
Department stores	106.7	104.2	105.4	2.5	1.2
Food stores	147.3	146.9	141.9	.4	5.4
Automotive dealers & service stations	100.8	100.5	96.9	.3	3.9
Apparel and accessory stores	48.2	47.1	45.9	1.1	2.2
Eating and drinking places	308.9	313.6	303.6	-4.7	5.4
Finance, Insurance, and Real Estate	257.4	257.8	252.1	-.3	5.3
Banking	65.1	65.4	64.1	-.3	1.0
Credit agencies other than banks	38.6	38.6	37.9	.0	.6
Insurance carriers	70.9	71.0	70.3	-.1	.6
Life insurance	26.2	26.2	25.9	.0	.3
Fire, marine, and casualty insurance	31.7	31.8	31.1	-.1	.5
Services	1154.9	1160.2	1105.1	-5.3	49.8
Hotels and other lodging places	37.5	39.1	36.6	-1.6	1.0
Personal services	59.6	59.1	57.2	.5	2.4
Laundry, cleaning, & garment services	19.8	19.6	19.3	.2	.5
Business services	247.7	246.3	229.6	1.4	18.1
Services to buildings	33.6	34.2	32.2	-.5	1.5
Computer and data processing services	24.4	24.2	22.2	.2	2.2
Amusement and recreation services	38.2	51.5	38.2	-13.3	.0
Health services	386.4	385.8	374.2	.6	12.2
Nursing and personal care facilities	84.9	85.1	82.5	-.2	2.4
Hospitals	187.5	187.6	183.1	.0	4.5
Educational services	68.4	62.1	66.5	6.3	1.8
Colleges and universities	38.6	33.5	37.5	5.0	1.1
Government	711.7	685.3	702.2	26.4	9.5
Federal government	95.6	95.5	94.4	.1	1.2
State government	164.0	149.7	161.6	14.4	2.4
State government education[f]	89.5	74.0	88.3	15.5	1.2
State government, except education	74.6	75.7	73.3	-1.1	1.3
Local government	452.0	440.1	446.1	11.9	5.9
Local government education	265.4	252.0	261.1	13.5	4.3
Local government, except education	186.6	188.2	185.0	-1.6	1.6

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$521.94	$528.58	$523.06	42.4	42.8	43.3	$12.31	$12.35	$12.08
Durable Goods[e]	541.86	548.66	546.69	42.7	43.1	43.7	12.69	12.73	12.51
Lumber and wood products	333.70	335.36	327.96	40.4	40.6	42.1	8.26	8.26	7.79
Furniture and fixtures	377.81	378.84	366.79	40.8	41.0	40.8	9.26	9.24	8.99
Stone, clay, and glass products	481.34	471.16	468.47	42.9	42.6	42.9	11.22	11.06	10.92
Glass and glassware, pressed or blown	516.38	500.74	509.12	42.5	42.4	43.0	12.15	11.81	11.84
Primary metal industries	611.40	627.64	628.60	43.3	44.2	44.9	14.12	14.20	14.00
Blast furnace and basic steel products	617.33	625.78	636.53	43.2	43.7	44.7	14.29	14.32	14.24
Iron and steel foundries	633.05	659.18	669.76	43.3	44.3	46.0	14.62	14.88	14.56
Nonferrous rolling and drawing	676.18	699.49	661.42	42.5	43.8	43.4	15.91	15.97	15.24
Fabricated metal products	511.98	523.98	522.97	42.0	42.6	43.4	12.19	12.30	12.05
Cutlery, hand tools, and hardware	519.50	518.65	490.84	41.1	41.0	40.7	12.64	12.65	12.06
Fabricated structural metal products	465.98	457.45	463.86	42.4	42.2	42.4	10.99	10.84	10.94
Metal forgings and stampings	631.12	671.59	644.47	42.3	44.3	44.6	14.92	15.16	14.45
Machinery, except electrical	534.92	536.98	537.14	43.0	43.2	44.1	12.44	12.43	12.18
Construction and related machinery	447.01	448.22	431.01	40.6	40.6	40.7	11.01	11.04	10.59
Metalworking machinery	514.17	515.04	519.30	43.5	43.5	45.0	11.82	11.84	11.54
Special industry machinery	535.60	533.32	520.95	45.7	45.7	45.3	11.72	11.67	11.50
General industrial machinery	578.88	567.20	541.80	43.2	43.1	43.0	13.40	13.16	12.60
Office and computing machines	477.28	480.82	453.11	42.5	42.4	41.8	11.23	11.34	10.84
Refrigeration and service machinery	557.12	557.59	642.52	40.4	40.7	44.9	13.79	13.70	14.31
Electric and electronic equipment	465.37	462.56	470.12	41.7	41.3	41.9	11.16	11.20	11.22
Electrical industrial apparatus	482.68	478.27	486.42	43.8	43.4	44.1	11.02	11.02	11.03
Household appliances	485.62	475.56	486.02	40.3	39.4	40.3	12.05	12.07	12.06
Electric lighting and wiring equipment	469.68	459.20	478.72	40.7	40.0	41.7	11.54	11.48	11.48
Communication equipment	559.45	588.80	459.76	44.9	46.0	39.6	12.46	12.80	11.61
Transportation equipment	713.46	724.36	699.79	44.9	45.5	45.5	15.89	15.92	15.38
Motor vehicles and equipment	738.12	755.58	735.76	45.2	46.1	46.1	16.33	16.39	15.96
Aircraft and parts	673.20	658.16	599.18	45.0	44.5	43.8	14.96	14.79	13.68
Instruments and related products	383.40	382.99	376.48	40.4	40.4	40.7	9.49	9.48	9.25
Measuring and controlling devices	373.07	372.68	365.24	38.5	38.7	39.4	9.69	9.63	9.27
Nondurable Goods[f]	477.77	482.05	467.84	41.8	42.1	42.3	11.43	11.45	11.06
Food and kindred products	456.20	456.12	440.37	41.7	42.0	42.1	10.94	10.86	10.46
Meat products	372.04	387.18	363.21	41.2	42.5	41.7	9.03	9.11	8.71
Dairy products	458.39	488.51	449.86	41.9	43.5	42.4	10.94	11.23	10.61
Preserved fruits and vegetables	481.20	455.67	461.36	42.1	41.5	42.6	11.43	10.98	10.83
Bakery products	484.79	476.71	468.45	39.9	39.3	39.8	12.15	12.13	11.77
Beverages	427.28	424.09	440.91	40.5	40.7	41.4	10.55	10.42	10.65
Apparel and other textile products	292.11	295.27	308.73	39.0	38.8	41.0	7.49	7.61	7.53
Paper and allied products	503.97	514.87	498.27	43.9	44.5	43.9	11.48	11.57	11.35
Misc. converted paper products	456.93	449.67	430.72	43.6	43.7	42.9	10.48	10.29	10.04
Paperboard containers and boxes	437.08	435.50	440.15	42.6	42.2	42.9	10.26	10.32	10.26
Printing and publishing	467.57	469.57	448.33	40.1	40.1	39.5	11.66	11.71	11.35
Newspapers	392.85	390.44	381.64	34.4	34.4	34.6	11.42	11.35	11.03
Commercial printing	473.91	476.99	449.49	42.2	42.1	41.2	11.23	11.33	10.91
Chemicals and allied products	576.96	581.20	554.17	41.9	42.3	42.4	13.77	13.74	13.07
Industrial inorganic chemicals	611.09	606.99	601.66	43.9	43.7	44.9	13.92	13.89	13.40
Rubber and misc. plastics products	443.73	453.69	454.14	42.1	42.6	43.5	10.54	10.65	10.44
Tires and inner tubes	684.66	691.51	667.58	44.2	44.7	45.6	15.49	15.47	14.64
Miscellaneous plastics products	420.81	436.72	438.34	41.5	42.4	43.4	10.14	10.30	10.10

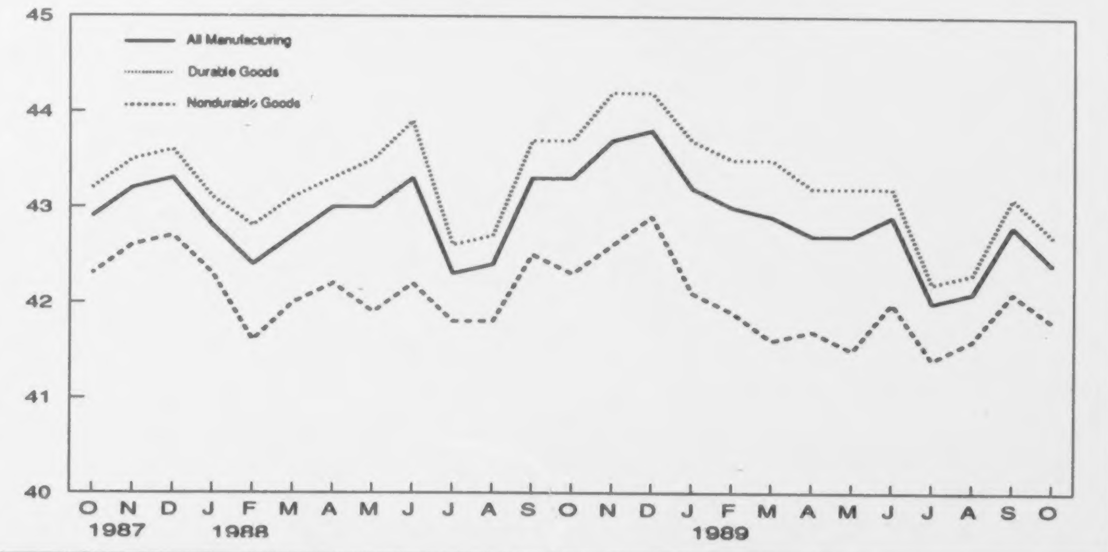
See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Ohio (continued)

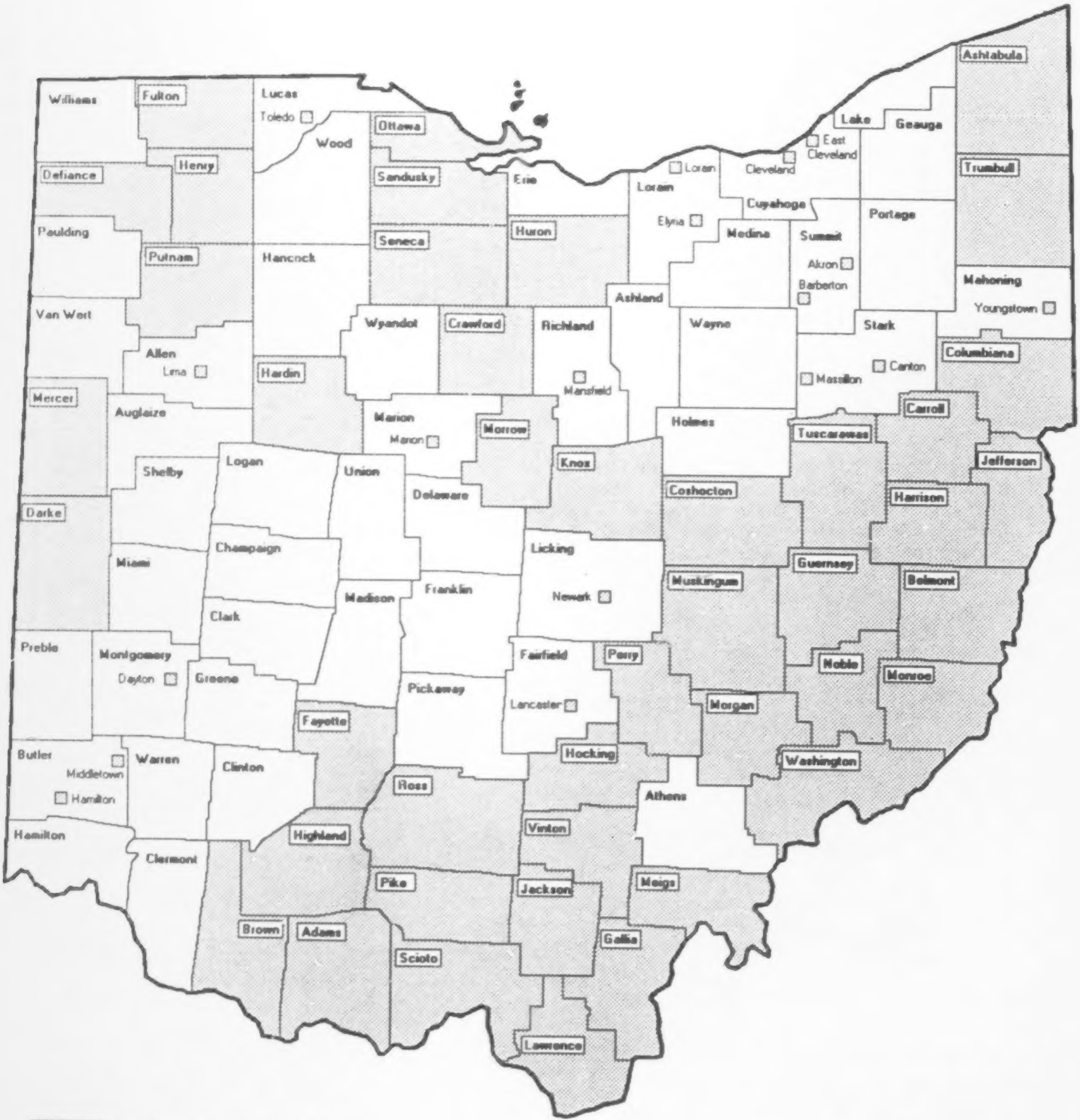
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Mining	$615.17	$614.72	$549.07	45.4	45.4	43.2	$13.55	$13.54	$12.71
Bituminous coal and lignite mining	755.33	755.43	657.70	44.8	45.1	41.6	16.86	16.75	15.81
Construction	627.07	609.49	617.42	40.3	39.5	40.7	15.56	15.43	15.17
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	599.24	607.78	571.02	41.1	41.6	40.7	14.58	14.61	14.03
Communication	569.63	590.36	548.97	40.2	41.4	40.1	14.17	14.26	13.69
Electric, gas, and sanitary services	634.27	628.50	598.85	42.2	41.9	41.5	15.03	15.00	14.43
Wholesale Trade	407.93	408.46	399.06	39.3	39.2	39.2	10.38	10.42	10.18
Wholesale trade-durable goods	398.82	400.23	388.83	39.1	39.2	39.0	10.20	10.21	9.97
Wholesale trade-nondurable goods	423.32	423.26	416.59	39.6	39.3	39.6	10.69	10.77	10.52
Retail Trade[h]	175.18	175.85	167.31	28.3	28.5	28.6	6.19	6.17	5.85
General merchandise stores	184.47	187.56	179.07	28.6	28.9	28.2	6.45	6.49	6.35
Department stores	189.30	192.14	184.32	28.9	29.2	28.4	6.55	6.58	6.49
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	271.58	269.89	266.06	....	....	....	.....	.....	.....
Credit agencies other than banks	282.92	276.72	272.34	....	....	....	.....	.....	.....
Insurance carriers	394.35	394.15	378.13	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	358.02	359.90	340.96	32.4	32.6	33.2	11.05	11.04	10.27

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.



Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

Labor Surplus Areas in Ohio


Williams
Fulton
Lucas
Toledo
Wood
Ottawa
Defiance
Henry
Sandusky
Erie
Lorain
Cleveland
East Cleveland
Lake
Geauga
Ashtabula
Trumbull
Lorain
Elyria
Cuyahoga
Portage
Medina
Summit
Akron
Barberton
Paulding
Putnam
Hancock
Seneca
Huron
Ashland
Mahoning
Youngstown
Van Wert
Wyandot
Crawford
Richland
Wayne
Stark
Allen
Lima
Hardin
Mansfield
Massillon
Canton
Columbiana
Mercer
Auglaize
Marion
Marion
Morrow
Holmes
Carroll
Tuscarawas
Jefferson
Shelby
Logan
Union
Knox
Delaware
Coshocton
Harrison
Darke
Miami
Champaign
Licking
Guernsey
Belmont
Madison
Franklin
Newark
Muskingum
Clark
Preble
Montgomery
Dayton
Greene
Fairfield
Perry
Noble
Monroe
Pickaway
Lancaster
Morgan
Fayette
Butler
Middletown
Hamilton
Warren
Clinton
Hocking
Washington
Ross
Athens
Hamilton
Highland
Vinton
Clermont
Pike
Jackson
Meigs
Brown
Adams
Gallia
Scioto
Lawrence

▨ Labor Surplus Area

Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1989 through September 30, 1990. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. A qualifying city is listed below only if the entire county in which it is located does not qualify. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1987 through December 1988 must be at least 7.1 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 7.1 percent.

Questions about Labor Surplus Areas may be directed to: Brian E. Baker, Chief, Labor Force Reports, OBES – LMI Division, 145 S. Front St., Columbus, OH 43215, phone (614) 644-2689, or to one of the Labor Market Analysts in the following areas:

Akron/Canton	Erich Hetzel	(216) 434-2141
Bowling Green	Don Wonnell	(419) 865-7248
Cincinnati	Gary Flesch	(513) 852-3180
Cleveland	Thomas Buescher	(216) 888-6900
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald Curry	(216) 744-5201

Labor Surplus Areas in Ohio

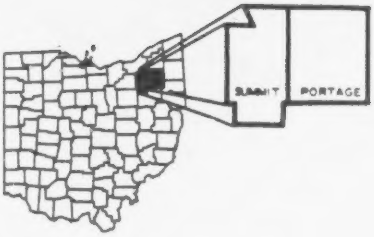
Cities

Akron
Barberton
Canton
Cleveland
Dayton
East Cleveland
Elyria
Hamilton
Lancaster
Lima
Lorain
Mansfield
Marion
Massillon
Middletown
Newark
Toledo
Warren
Youngstown
Zanesville

Counties

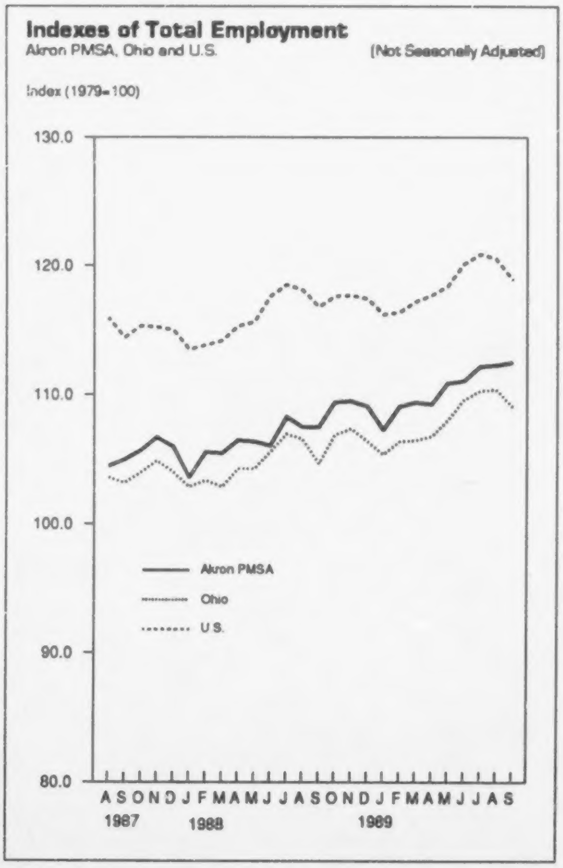
Adams
Ashtabula
Belmont
Brown
Carroll
Columbiana
Coshocton
Crawford
Darke
Defiance
Fayette
Fulton
Gallia
Guernsey
Hardin
Harrison
Henry
Highland
Hocking
Huron
Jackson
Jefferson
Knox
Lawrence
Meigs
Mercer
Monroe
Morgan
Morrow
Muskingum (less Zanesville City)
Noble
Ottawa
Perry
Pike
Putnam
Ross
Sandusky
Scioto
Seneca
Trumbull (less Warren City)
Tuscarawas
Vinton
Washington

AKRON PRIMARY METROPOLITAN STATISTICAL AREA

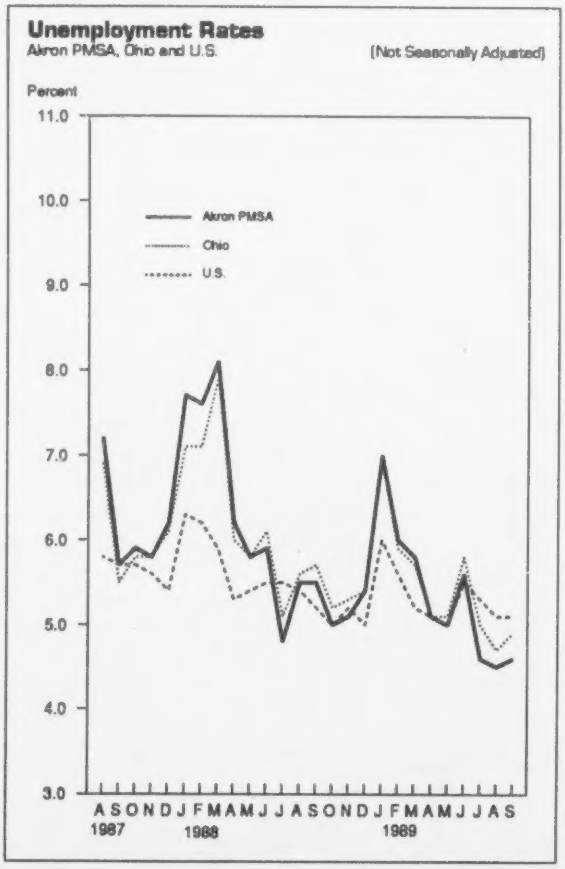


Total nonfarm payroll employment in the Akron metropolitan area totaled 287,200 in October 1989, up 400 from the September level. The continued return of nonteaching personnel in state and local schools and colleges outweighed a seasonal reduction in amusement and recreation services. Manufacturing employment was unchanged over the month, at 66,100. Factory production workers averaged $11.61 per hour, down $.09 from September. Their average workweek of 42.1 hours was .9 hours shorter.

Nonagricultural wage and salary employment advanced 9,900 between October 1988 and October 1989. Leading growth industries were services, especially business services, and retail trade. Noteworthy gains also occurred in state and local schools and colleges and in construction. The manufacturing division added 700 jobs over the year due to scattered increases among producers of both durable and nondurable goods. Employment in nonelectrical machinery and chemicals and allied products declined.



Indexes of Total Employment
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Akron PMSA Labor Force and Employment Data

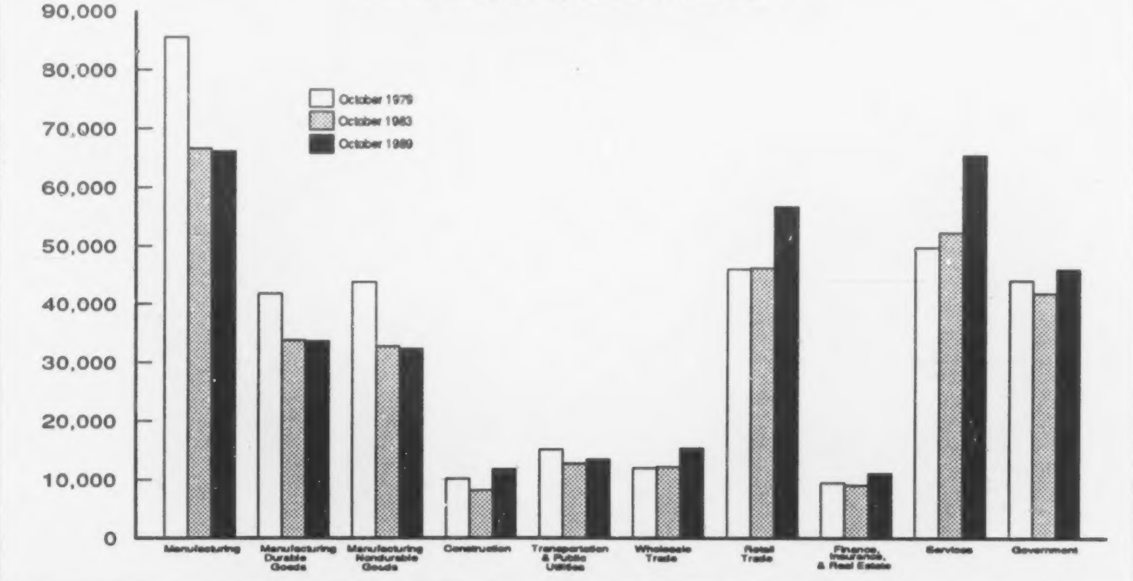
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	**1978**	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	**1979**	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	**1980**	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	**1981**	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	**1982**	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	**1983**	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	**1984**	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	**1985**	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	**1986**	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	**1987**	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	**1988**	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
324.8	306.9	17.9	5.5	**September**	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	**October**	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	**November**	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	**December**	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	**January**	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	**February**	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	**March**	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	**April**	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	**May**	283.1	66.0	38.8	486.62	42.6	11.47
335.7	317.0	18.7	5.6	**June**	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	**July**	278.6	66.3	38.8	471.92	41.8	11.29
335.6	320.6	15.0	4.5	**August**	278.9	66.0	38.6	480.95	42.3	11.37
336.5	321.1	15.4	4.6	**September**	286.8	66.0	38.8	503.10	43.0	11.70
INA	INA	INA	INA	**October**	287.2	66.1	38.8	488.78	42.1	11.61

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Akron Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	287.2	286.8	277.2	.4	9.9
Manufacturing	66.1	66.0	65.4	.0	.7
Durable Goods[e]	33.7	33.6	33.2	.1	.5
Fabricated metal products	11.0	10.9	11.0	.1	.1
Machinery, except electrical	9.6	9.6	9.8	.0	-.2
Metalworking machinery	3.5	3.5	3.4	.0	.1
Nondurable Goods[f]	32.4	32.4	32.2	.0	.2
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.4	3.5	3.5	.0	-.1
Rubber and misc. plastics products	19.4	19.4	19.4	.0	.0
Tires and inner tubes	10.0	10.1	10.4	.0	-.4
Nonmanufacturing[g]	221.1	220.7	211.8	.4	9.3
Construction	11.8	11.7	10.9	.1	.9
Transportation and Public Utilities	13.5	13.5	13.1	.0	.4
Communication, electric, gas services	4.7	4.8	4.9	-.1	-.2
Wholesale Trade	15.3	15.2	14.8	.2	.6
Retail Trade	56.8	56.8	54.7	.0	2.1
General merchandise stores	6.8	6.6	6.7	.2	.2
Finance, Insurance, and Real Estate	11.0	11.0	10.7	.1	.3
Banking	3.2	3.2	3.1	.0	.1
Services	65.7	67.0	61.9	-1.3	3.7
Business services	15.0	15.0	13.5	.0	1.5
Amusement and recreation services	3.3	4.8	2.8	-1.4	.5
Health services	20.8	20.6	20.3	.1	.4
Government	46.2	44.8	45.1	1.4	1.1
State government	17.5	16.8	17.0	.7	.5
State government education[h]	14.7	13.9	14.1	.8	.6
State government, except education	2.8	2.9	2.9	-.1	-.1
Local government	26.2	25.5	25.6	.7	.6
Local government education	14.9	14.1	14.5	.7	.4
Local government, except education	11.3	11.3	11.2	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$488.78	$503.10	$488.78	42.1	43.0	42.8	$11.61	$11.70	$11.42
Durable Goods[e]	505.20	529.64	501.93	42.1	43.7	42.9	12.00	12.12	11.70
Fabricated metal products	631.33	698.42	639.17	42.6	46.1	43.1	14.82	15.15	14.83
Machinery, except electrical	469.29	479.81	467.74	43.9	44.8	45.5	10.69	10.71	10.28
Metalworking machinery	506.92	508.73	483.80	44.9	45.1	45.3	11.29	11.28	10.68
Nondurable Goods[f]	465.78	469.26	471.84	42.0	42.2	42.7	11.09	11.12	11.05
Food and kindred products	395.01	408.41	447.32	41.8	42.9	42.2	9.45	9.52	10.60
Chemicals and allied products	535.99	546.75	503.16	43.4	44.2	42.0	12.35	12.37	11.98
Rubber and misc. plastics products	476.15	486.33	491.48	42.4	43.0	44.0	11.23	11.31	11.17
Tires and inner tubes	778.05	779.69	765.60	47.5	47.6	48.0	16.38	16.38	15.95
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	595.91	608.19	585.81	40.9	41.6	41.4	14.57	14.62	14.15
Wholesale Trade	349.90	356.36	345.14	36.6	36.7	36.6	9.56	9.71	9.43
Retail Trade[h]	209.98	211.68	202.54	31.2	31.5	32.2	6.73	6.72	6.29

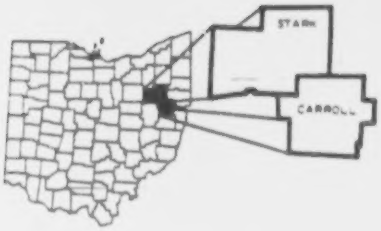
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	1,994	1,628	2,313
Active File of Job Seekers	9,297	9,960	15,316
Referrals to Jobs	818	781	1,358
Placements	198	194	471
Job Openings Received	397	423	522
Job Openings Unfilled	1,225	1,452	1,094
Unemployment Insurance Program			
Initial Claims	2,464	1,705	2,282
Continued Claims	16,102	14,287	14,339
First Payments	994	792	939
Last Payments	258	289	293
Weeks Compensated	12,096	12,666	11,416
Benefits Paid	$1,841,811	$1,902,619	$1,682,646
Average Weekly Payment	$160.41	$158.00	$152.04

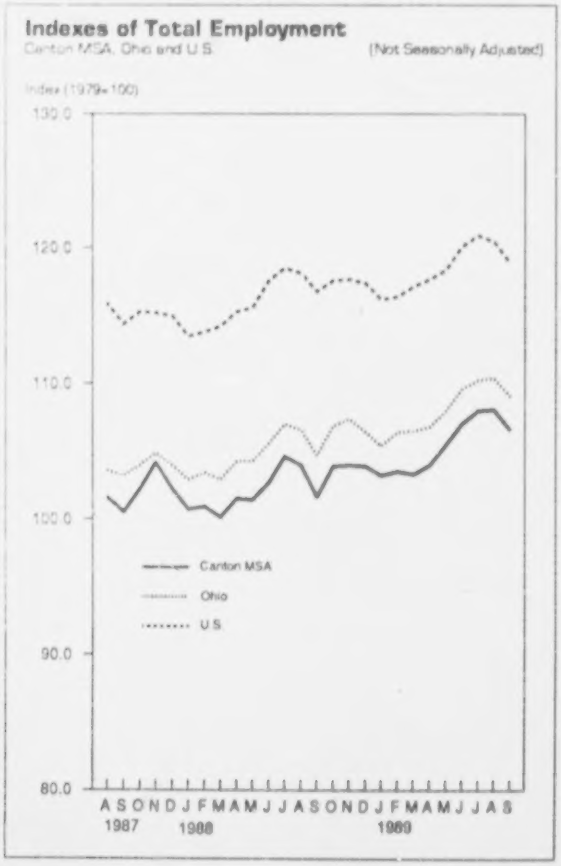
CANTON
METROPOLITAN STATISTICAL AREA

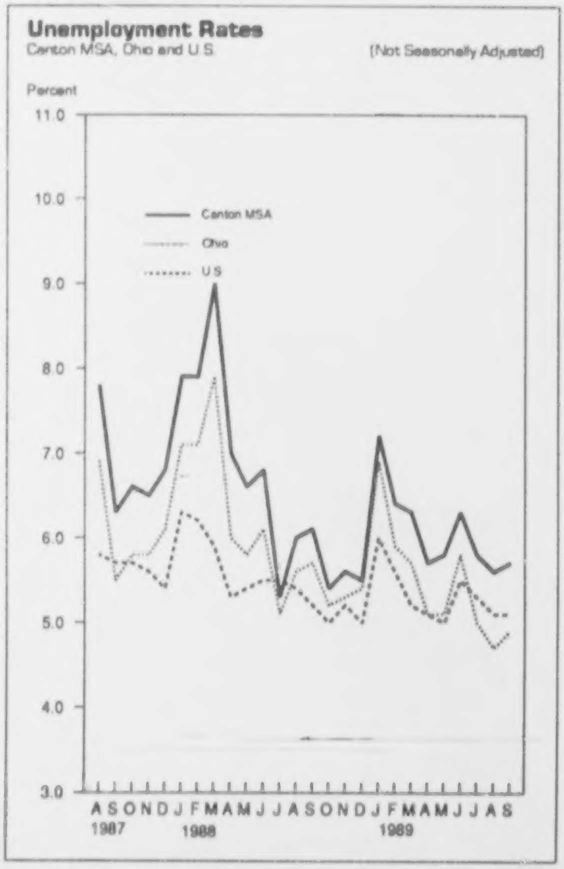


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

In the Canton metropolitan area, total nonfarm payroll employment declined 3,700 from the September level to 162,800 in October 1989. A labor-management dispute in durable-goods industries lowered manufacturing employment 4,900 to 40,700. The return of nonteaching personnel in local schools and modest growth in services, construction, and retail trade raised nonmanufacturing employment 1,200. Factory production workers averaged $11.53 per hour, down $.29 from September. Their average workweek declined .1 hours to 41.8 hours.

Nonagricultural wage and salary employment advanced 600 between October 1988 and October 1989. The nonmanufacturing division increased 5,200 during the period. Significant expansion occurred in services and retail trade. A significant drop in durable–goods employment due to current labor–management disputes reduced the manufacturing workforce 4,500.


Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

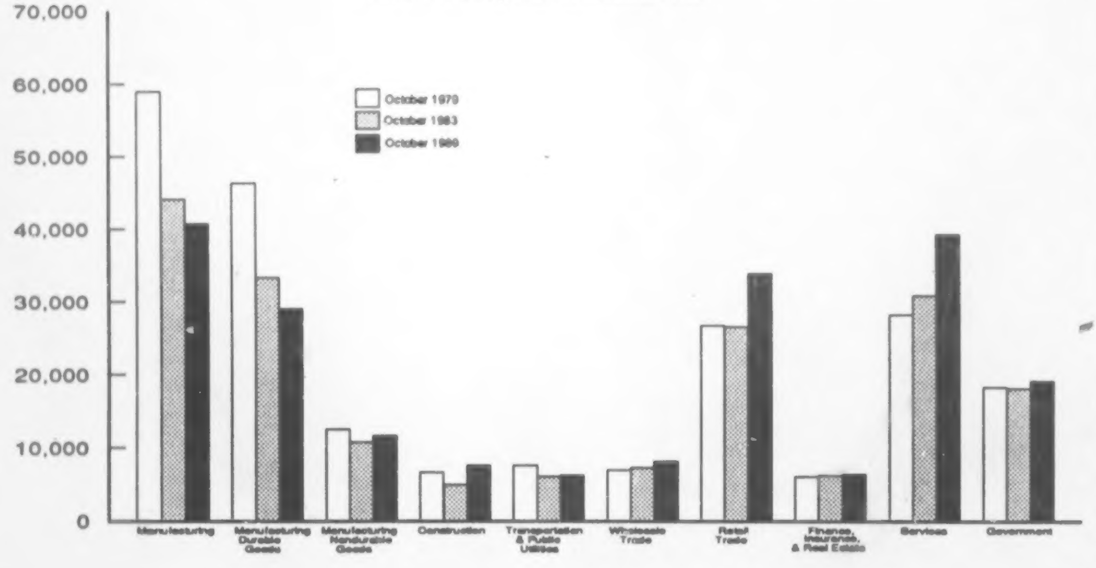

Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	**1978**	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	**1979**	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	**1980**	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	**1981**	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	**1982**	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	**1983**	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	**1984**	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	**1985**	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	**1986**	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	**1987**	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	**1988**	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
188.0	176.5	11.5	6.1	**September**	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	**October**	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	**November**	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	**December**	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	**January**	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	**February**	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	**March**	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	**April**	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	**May**	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	**June**	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	**July**	165.2	45.4	32.5	482.10	41.1	11.73
198.7	187.7	11.0	5.6	**August**	165.1	45.5	32.7	496.44	42.0	11.82
196.2	185.1	11.1	5.7	**September**	166.5	45.6	32.7	495.26	41.9	11.82
INA	INA	INA	INA	**October**	162.8	40.7	27.8	481.95	41.8	11.53

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	162.8	166.5	162.2	-3.7	.6
Manufacturing	40.7	45.6	45.3	-4.9	-4.5
Durable Goods[e]	29.0[j]	33.8	33.4	-4.8	-4.4
Primary metal industries	9.1[j]	11.5	11.3	-2.4	-2.2
Fabricated metal products	6.4	6.5	6.6	.0	-.2
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.7	11.8	11.9	-.1	-.2
Food and kindred products	3.3	3.4	3.2	-.1	.1
Rubber and misc. plastics products	3.0	2.9	3.1	.0	-.1
Nonmanufacturing[g]	122.1	120.9	116.9	1.2	5.2
Construction	7.6	7.5	6.9	.2	.7
Transportation and Public Utilities	6.2	6.2	5.9	.0	.3
Communication, electric, gas services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.2	8.2	8.1	.0	.1
Wholesale trade-durable goods	4.5	4.4	4.5	.0	.0
Retail Trade	33.9	33.8	32.1	.2	1.8
General merchandise stores	4.2	4.1	4.1	.1	.1
Food stores	5.8	5.8	5.4	.1	.4
Finance, Insurance, and Real Estate	6.4	6.4	6.4	.0	.0
Banking	1.8	1.8	1.8	.0	.1
Services	39.4	39.1	37.5	.3	1.9
Health services	15.6	15.5	15.4	.1	.2
Government	19.3	18.8	19.2	.5	.1
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	16.3	15.8	16.1	.5	.3
Local government education	9.9	9.4	9.8	.5	.1
Local government, except education	6.4	6.4	6.3	.0	.1

Canton MSA

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$481.95	$495.26	$493.78	41.8	41.9	42.9	$11.53	$11.82	$11.51
Durable Goods[e]	513.68	523.98	523.41	42.7	42.6	43.8	12.03	12.30	11.95
Primary metal industries	565.42	588.67	589.23	42.9	43.8	45.5	13.18	13.44	12.95
Fabricated metal products	540.46	506.88	498.58	44.3	42.1	44.2	12.20	12.04	11.28
Metal forgings and stampings	574.33	555.81	562.38	41.8	40.6	41.2	13.74	13.69	13.65
Nondurable Goods[f]	401.94	404.32	405.02	39.6	39.6	40.3	10.15	10.21	10.05
Food and kindred products	414.34	411.92	398.43	38.4	38.0	38.2	10.79	10.84	10.43
Rubber and misc. plastics products	394.13	403.24	404.01	40.8	41.4	41.1	9.66	9.74	9.83
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	581.76	604.66	569.74	40.4	41.5	40.9	14.40	14.57	13.93
Wholesale Trade	378.94	375.21	386.15	38.2	37.9	37.6	9.92	9.90	10.27
Retail Trade[h]	168.72	169.58	159.26	28.5	28.5	28.8	5.92	5.95	5.53

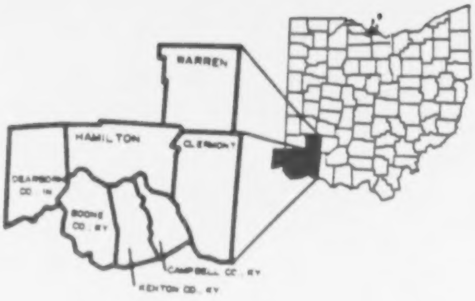
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

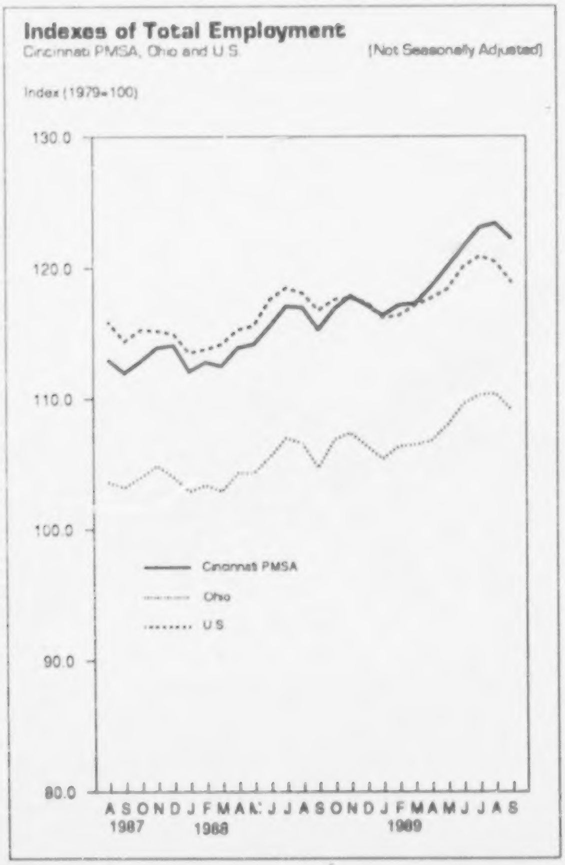
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	1,202	998	1,542
Active File of Job Seekers	7,433	7,547	12,259
Referrals to Jobs	738	737	1,025
Placements	60	51	266
Job Openings Received	316	454	614
Job Openings Unfilled	484	601	2,249
Unemployment Insurance Program			
Initial Claims	2,638	1,969	1,534
Continued Claims	11,990	10,771	8,576
First Payments	602	784	573
Last Payments	170	148	165
Weeks Compensated	8,178	9,563	6,744
Benefits Paid	$1,243,369	$1,471,810	$934,564
Average Weekly Payment	$165.39	$164.89	$143.74

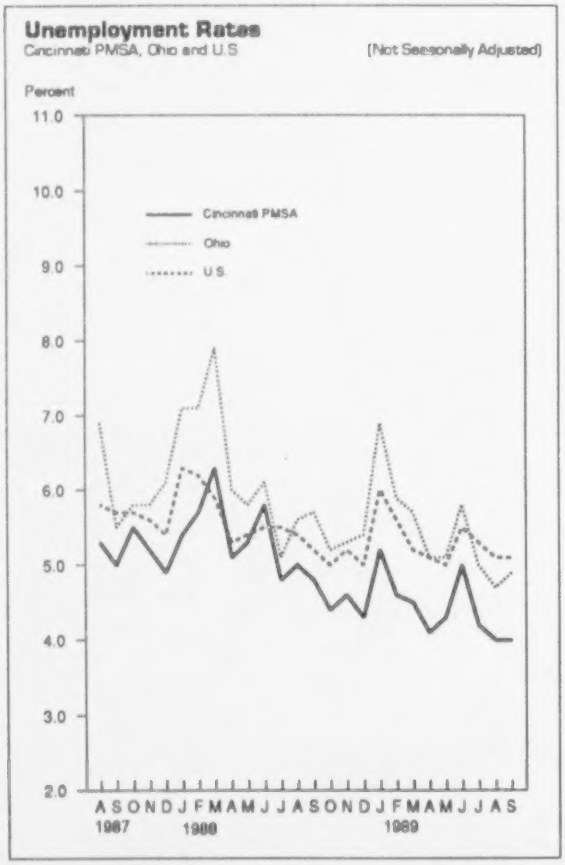
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 745,700 in October 1989, up 1,200 from the September level. The continued return of nonteaching personnel in state and local schools and colleges and more business in retail trade more than offset seasonal reductions in amusement and recreation services. Manufacturing employment increased 100 over the month to 149,700. Improvements among producers of nondurable goods, especially food and kindred products, outweighed scattered declines in durable-goods industries. Factory production workers averaged $11.60 per hour, up slightly from September. Their average workweek was .1 hours shorter, at 43.2 hours.

Nonfarm wage and salary employment advanced 33,300 between October 1988 and October 1989. Leading growth industries were services and retail trade. Noteworthy expansion also occurred in construction and transportation and public utilities. The manufacturing workforce added 4,300 jobs during the period. Moderate gains were registered in nonelectrical machinery, chemicals and allied products, electric and electronic equipment, and food and kindred products.


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	**1978**	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	**1979**	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	**1980**	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	**1981**	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	**1982**	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	**1983**	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	**1984**	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	**1985**	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	**1986**	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	**1987**	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	**1988**	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
760.7	724.2	36.5	4.8	**September**	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	**October**	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	**November**	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	**December**	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	**January**	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	**February**	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	**March**	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744[illegible]	31.7	4.1	**April**	722.3	145.8	91.9	491.34	42.8	11.48
788.8	75[illegible]	34.3	4.3	**May**	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	**June**	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	**July**	733.8	147.5	92.7	481.08	42.2	11.40
806.8	774.8	32.0	4.0	**August**	736.7	148.5	93.5	500.69	43.2	11.59
799.4	767.3	32.1	4.0	**September**	744.5	149.6	94.5	501.85	43.3	11.59
INA	INA	INA	INA	**October**	745.7	149.7	94.8	501.12	43.2	11.60

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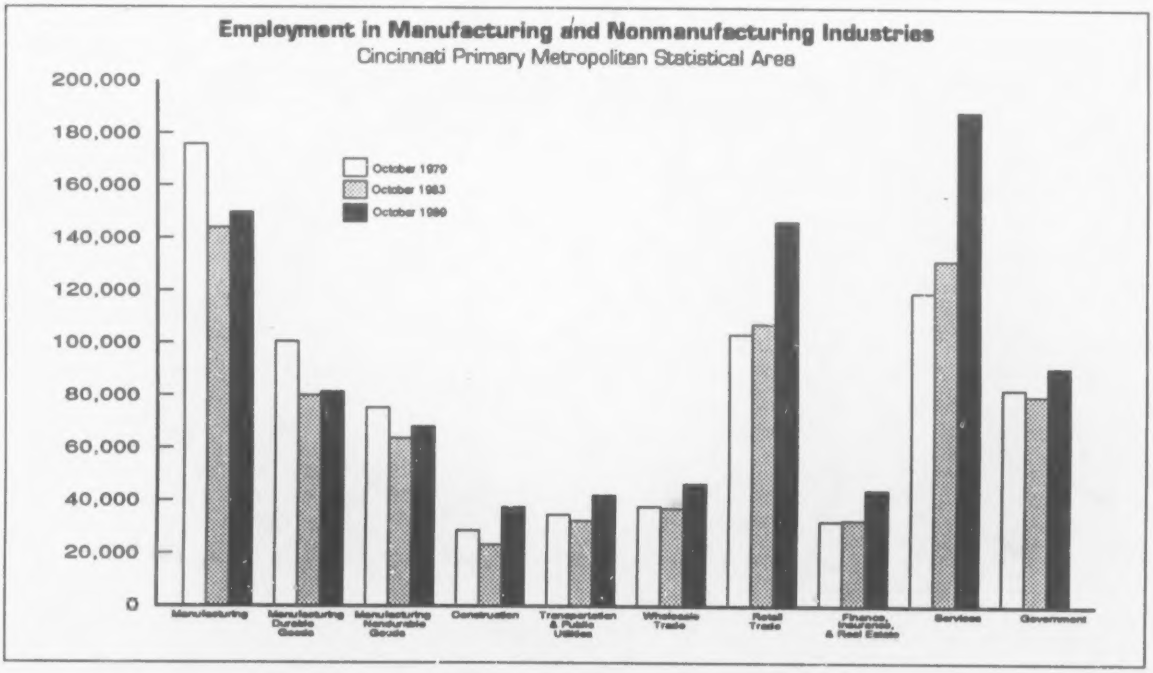


Employment in Manufacturing and Nonmanufacturing Industries

Cincinnati Primary Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	745.7	744.5	712.4	1.2	33.3
Manufacturing	149.7	149.6	145.3	.1	4.3
Durable Goods[e]	81.3	81.6	78.8	-.2	2.5
Fabricated metal products	10.8	10.9	10.8	-.1	.0
Fabricated structural metal products	3.8	3.9	3.8	-.1	.0
Machinery, except electrical	21.7	21.7	21.0	.0	.8
Metalworking machinery	8.8	8.8	8.8	.0	.0
General industrial machinery	3.0	3.1	3.0	.0	.0
Electric and electronic equipment	9.3	9.2	8.6	.1	.6
Transportation equipment	24.0	24.1	24.1	-.1	-.1
Motor vehicles and equipment	4.7	5.0	5.0	-.3	-.3
Nondurable Goods[f]	68.3	68.0	66.5	.3	1.8
Food and kindred products	13.6	13.3	13.1	.3	.5
Beverages	3.5	3.3	3.7	.2	-.2
Apparel and other textile products	3.7	3.7	3.4	.0	.3
Paper and allied products	6.2	6.1	6.1	.1	.1
Printing and publishing	13.7	13.6	13.5	.1	.2
Commercial printing	6.4	6.3	6.2	.0	.2
Chemicals and allied products	22.9	22.8	22.1	.0	.8
Rubber and misc. plastics products	6.3	6.4	6.0	-.1	.3
Nonmanufacturing[g]	596.1	594.9	567.0	1.2	29.0
Construction	37.5	37.1	34.3	.4	3.3
Transportation and Public Utilities	42.0	41.7	39.3	.3	2.6
Trucking and warehousing	12.2	12.0	11.2	.2	1.0
Communication, electric, gas services	16.1	16.1	15.4	.0	.7
Wholesale Trade	46.6	46.2	45.0	.4	1.6
Wholesale trade-durable goods	27.2	27.1	26.6	.1	.6
Retail Trade	146.4	145.3	138.5	1.1	8.0
General merchandise stores	21.0	20.6	20.5	.4	.4
Finance, Insurance, and Real Estate	43.9	44.0	42.6	-.1	1.3
Banking	9.5	9.6	9.1	-.1	.4
Insurance carriers	14.5	14.4	14.5	.1	.0
Services	188.5	191.2	177.6	-2.7	10.9
Hotels and other lodging places	7.8	8.1	7.4	-.2	.4
Personal services	9.7	9.6	9.0	.1	.7
Business services	48.3	48.8	44.6	-.5	3.7
Amusement and recreation services	9.6	12.0	7.6	-2.4	2.0
Health services	55.9	55.9	54.4	.0	1.5
Hospitals	26.6	26.6	26.0	.0	.6
Government	90.6	88.8	89.2	1.8	1.4
Federal government	15.3	15.3	15.3	.0	.0
State government	21.3	20.2	20.4	1.1	.9
State government education[i]	13.1	11.9	12.6	1.2	.5
State government, except education	8.2	8.3	7.8	-.1	.4
Local government	54.0	53.3	53.5	.7	.5
Local government education	30.5	29.4	30.4	1.0	.1
Local government, except education	23.5	23.9	23.1	-.3	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$501.12	$501.85	$484.18	43.2	43.3	43.0	$11.60	$11.59	$11.26
Durable Goods[e]	493.46	494.33	483.23	43.4	43.4	43.3	11.37	11.39	11.16
Fabricated metal products	428.85	426.43	436.60	43.1	42.9	43.4	9.95	9.94	10.06
Fabricated structural metal products	488.96	487.88	492.97	45.4	45.3	45.9	10.77	10.77	10.74
Machinery, except electrical	440.16	447.11	441.01	42.0	42.3	42.9	10.48	10.57	10.28
Metalworking machinery	485.48	486.20	492.83	42.4	42.5	44.2	11.45	11.44	11.15
General industrial machinery	418.14	438.05	408.66	40.4	41.6	41.7	10.35	10.53	9.80
Electric and electronic equipment	375.65	382.69	355.77	41.6	42.1	40.2	9.03	9.09	8.85
Transportation equipment	788.71	784.43	715.18	47.2	47.0	46.2	16.71	16.69	15.48
Motor vehicles and equipment	869.40	914.64	853.29	48.3	50.2	49.9	18.00	18.22	17.10
Nondurable Goods[f]	508.69	510.07	485.07	43.0	43.3	42.7	11.83	11.78	11.36
Food and kindred products	519.92	528.19	524.35	44.4	44.8	44.1	11.71	11.79	11.89
Beverages	551.68	558.52	504.23	42.7	42.7	40.5	12.92	13.08	12.45
Apparel and other textile products	252.41	247.16	237.34	39.5	38.8	39.1	6.39	6.37	6.07
Paper and allied products	476.33	471.97	443.99	43.5	43.3	43.7	10.95	10.90	10.16
Printing and publishing	492.06	496.10	451.09	41.7	41.9	39.5	11.80	11.84	11.42
Commercial printing	533.86	546.02	487.05	44.6	45.2	42.5	11.97	12.08	11.46
Chemicals and allied products	616.94	605.00	572.76	43.6	43.4	43.0	14.15	13.94	13.32
Rubber and misc. plastics products	408.16	442.26	443.68	43.1	45.5	47.1	9.47	9.72	9.42
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	596.01	601.64	575.87	40.6	40.9	40.9	14.68	14.71	14.08
Wholesale Trade	418.80	420.25	420.85	40.0	40.1	41.3	10.47	10.48	10.19
Retail Trade[h]	174.53	171.91	167.91	28.8	28.7	29.0	6.06	5.99	5.79
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	268.53	264.44	262.95	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

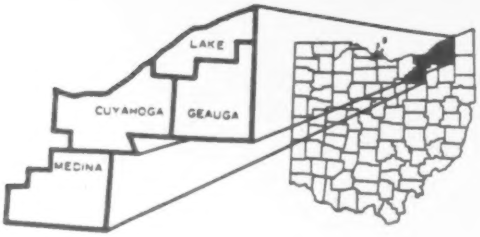
Selected Administrative Program Activities[a]

Cincinnati PMSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	3,032	2,660	3,402
Active File of Job Seekers	13,076	14,250	20,459
Referrals to Jobs	2,367	2,027	2,389
Placements	309	204	760
Job Openings Received	772	1,030	1,394
Job Openings Unfilled	1,849	2,059	2,990
Unemployment Insurance Program			
Initial Claims	4,236	2,872	3,279
Continued Claims	27,412	23,763	23,768
First Payments	2,153	1,591	1,379
Last Payments	429	428	416
Weeks Compensated	21,401	21,175	18,163
Benefits Paid	$3,368,929	$3,231,219	$2,704,086
Average Weekly Payment	$161.02	$157.39	$151.49

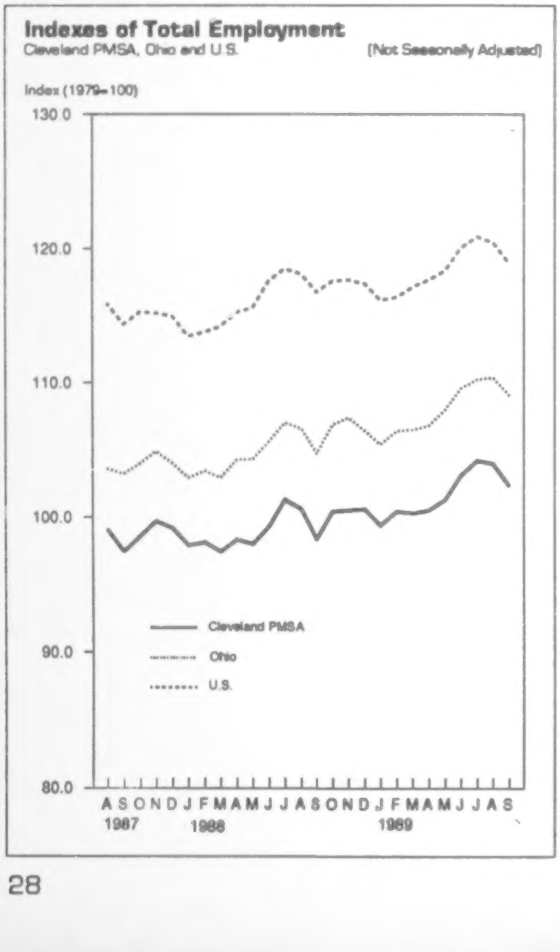
[a] Ohio data only

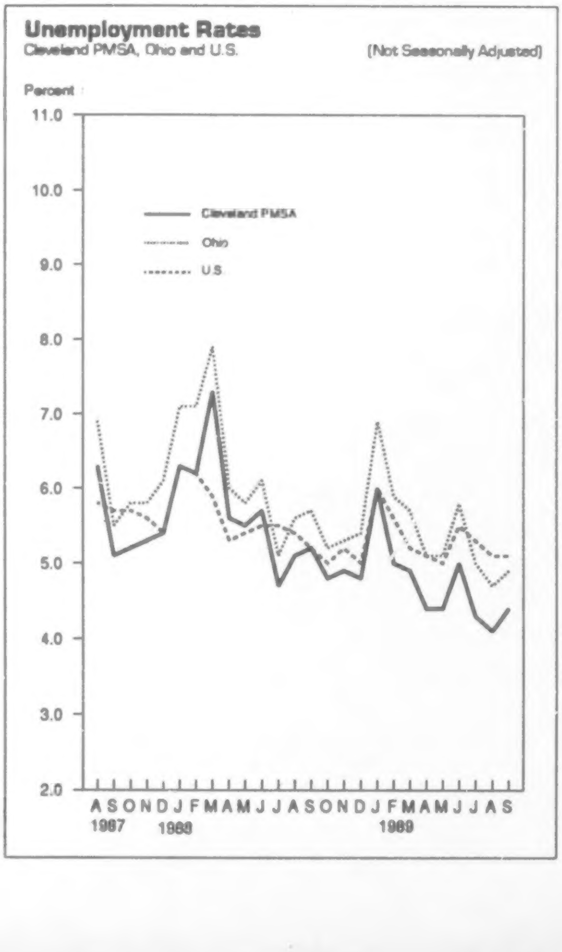
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cleveland metropolitan area rose 3,100 above the September level to 938,800 in October 1989. The improvement was concentrated in the nonmanufacturing sector due to the return of nonteaching personnel in local schools and marginal growth in wholesale trade and retail trade. Manufacturing employment decreased 100 over the month to 204,400. Less business in fabricated metal products negated a modest increase in rubber and miscellaneous plastics products. Factory production workers averaged $12.02 per hour, down $.05 from September. Their average workweek of 42.8 hours was .4 hours shorter.

Nonagricultural wage and salary employment advanced 21,700 between October 1988 and October 1989. The leading growth industries were services, especially business and health services, and retail trade. Marked expansion also occurred in local government, finance, insurance, and real estate, wholesale trade, and construction. The manufacturing workforce added 700 jobs during the period. Modest growth in nonelectrical machinery, chemicals and allied products, and printing and publishing outweighed declines in transportation equipment and electric and electronic equipment.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	**1978**	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	**1979**	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	**1980**	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	**1981**	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	**1982**	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	**1983**	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	**1984**	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	**1985**	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	**1986**	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	**1987**	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	**1988**	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
921.6	873.7	47.9	5.2	**September**	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	**October**	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	**November**	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	**December**	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	**January**	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	**February**	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	**March**	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	**April**	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	**May**	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	**June**	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	**July**	933.6	202.7	129.6	491.99	41.8	11.77
964.5	924.6	39.9	4.1	**August**	931.6	203.5	130.1	500.91	42.2	11.87
951.4	909.7	41.7	4.4	**September**	935.7	204.4	131.3	521.42	43.2	12.07
INA	INA	INA	INA	**October**	938.8	204.4	131.2	514.46	42.8	12.02

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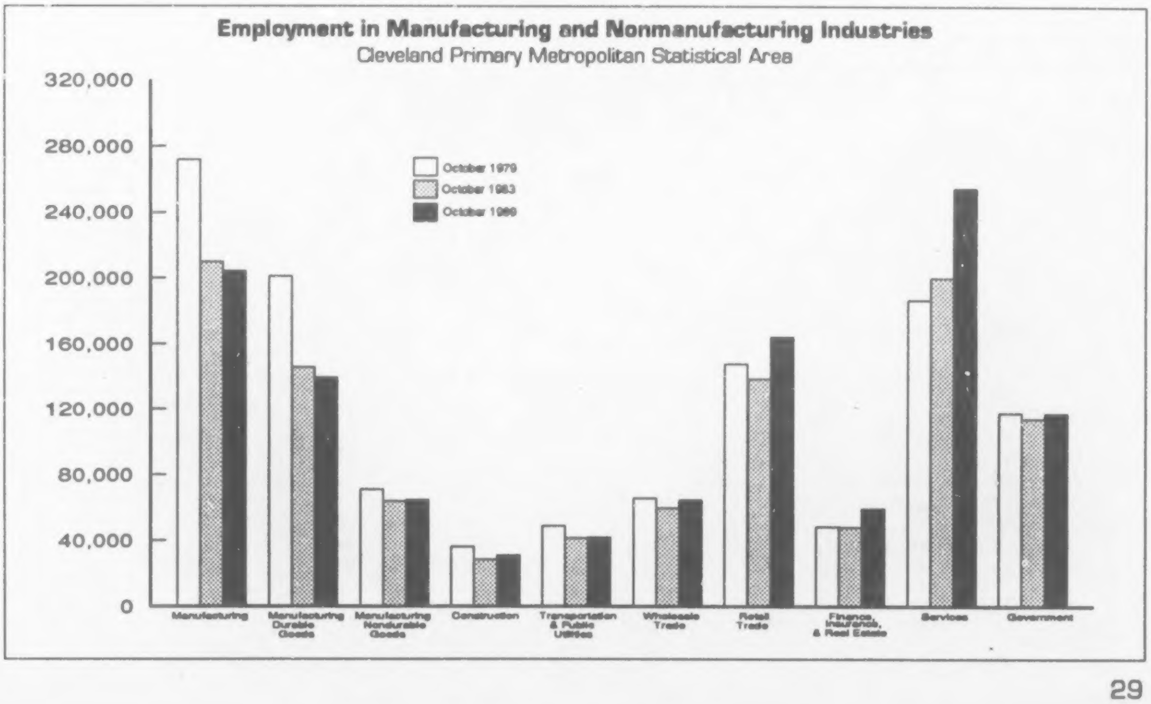


Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	938.8	935.7	917.1	3.1	21.7
Manufacturing	204.4	204.4	203.7	-.1	.7
Durable Goods[e]	139.5	140.0	139.6	-.5	-.1
Primary metal industries	21.8	21.7	21.5	.0	.2
Iron and steel foundries	4.4	4.4	4.6	.0	-.2
Fabricated metal products	31.9	32.2	32.1	-.4	-.2
Fabricated structural metal products	3.8	3.9	3.9	-.1	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	10.5	10.8	10.8	-.2	-.3
Machinery, except electrical	30.7	30.8	30.2	-.1	.6
Construction and related machinery	2.6	2.7	2.6	.0	.1
Metalworking machinery	10.5	10.6	10.0	-.1	.5
Special industry machinery	2.7	2.7	2.7	.0	.0
General industrial machinery	3.3	3.3	3.2	.0	.1
Electric and electronic equipment	17.8	17.8	18.0	.0	-.3
Electrical industrial apparatus	6.7	6.6	6.5	.0	.2
Transportation equipment	19.2	19.2	20.0	.0	-.8
Motor vehicles and equipment	12.3	12.2	12.7	.1	-.3
Instruments and related products	6.4	6.4	6.4	.0	.0
Measuring and controlling devices	4.5	4.5	4.3	.0	.2
Nondurable Goods[f]	64.8	64.4	64.1	.4	.7
Food and kindred products	6.7	6.8	6.7	-.1	.0
Apparel and other textile products	3.4	3.4	3.6	.0	-.2
Paper and allied products	5.9	5.8	6.0	.0	-.1
Printing and publishing	16.2	16.1	15.9	.1	.3
Chemicals and allied products	15.3	15.4	14.9	.0	.4
Rubber and misc. plastics products	11.7	11.3	11.6	.4	.0
Nonmanufacturing[g]	734.4	731.2	713.4	3.2	21.0
Construction	31.0	31.2	30.0	-.2	1.0
Transportation and Public Utilities	42.0	41.8	42.1	.2	.0
Trucking and warehousing	12.8	12.6	12.4	.1	.4
Communication, electric, gas services	17.2	17.2	17.6	.0	-.4
Wholesale Trade	64.9	64.6	63.6	.3	1.3
Wholesale trade-durable goods	44.9	44.8	44.1	.1	.8
Retail Trade	164.0	163.7	159.8	.3	4.2
General merchandise stores	21.1	20.7	20.9	.4	.3
Finance, Insurance, and Real Estate	59.4	59.5	57.7	-.1	1.7
Banking	14.6	14.6	14.3	.0	.3
Credit agencies other than banks	8.9	8.9	8.7	.0	.2
Insurance carriers	14.6	14.7	14.4	-.1	.3
Services	254.4	254.5	243.7	-.1	10.7
Business services	59.8	60.0	56.0	-.2	3.8
Amusement and recreation services	7.8	9.3	7.5	-1.5	.2
Health services	80.0	79.9	77.6	.1	2.4
Hospitals	44.4	44.5	43.6	-.1	.9
Government	117.6	114.9	115.5	2.7	2.1
Federal government	20.6	20.6	20.8	.0	-.2
State government	7.9	7.5	8.3	.5	-.3
State government education[i]	3.0	2.4	3.3	.6	-.3
State government, except education	4.9	5.1	5.0	-.1	-.1
Local government	89.1	86.9	86.4	2.2	2.7
Local government education	45.1	42.7	43.4	2.4	1.7
Local government, except education	44.0	44.2	43.0	-.2	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$514.46	$521.42	$517.76	42.8	43.2	43.4	$12.02	$12.07	$11.93
Durable Goods[e]	544.19	550.13	557.95	43.5	43.8	44.6	12.51	12.56	12.51
Primary metal industries	545.16	544.56	604.63	44.0	43.6	47.2	12.39	12.49	12.81
Iron and steel foundries	854.06	895.78	917.16	47.9	49.3	50.7	17.83	18.17	18.09
Fabricated metal products	539.09	531.91	551.98	43.3	43.0	44.3	12.45	12.37	12.46
Fabricated structural metal products	454.08	442.09	417.21	44.0	43.3	42.1	10.32	10.21	9.91
Screw machine products, bolts, etc.	525.74	521.08	550.34	43.2	43.1	45.9	12.17	12.09	11.99
Metal forgings and stampings	672.92	650.57	698.07	44.3	43.4	46.6	15.19	14.99	14.98
Machinery, except electrical	530.18	540.57	533.82	43.6	44.2	44.3	12.16	12.23	12.05
Construction and related machinery	448.77	432.99	393.27	45.7	44.5	42.7	9.82	9.73	9.21
Metalworking machinery	485.52	488.68	485.64	42.0	42.2	42.6	11.56	11.58	11.40
Special industry machinery	477.92	490.98	476.52	41.2	42.0	41.8	11.60	11.69	11.40
General industrial machinery	503.80	501.68	527.98	44.0	43.7	46.6	11.45	11.48	11.33
Electric and electronic equipment	469.79	467.73	452.86	42.4	42.1	41.7	11.08	11.11	10.86
Electrical industrial apparatus	554.18	560.14	522.82	44.8	45.1	44.8	12.37	12.42	11.67
Transportation equipment	722.24	751.64	745.99	44.5	46.0	46.8	16.23	16.34	15.94
Motor vehicles and equipment	800.10	850.36	824.76	45.0	47.4	47.4	17.78	17.94	17.40
Instruments and related products	411.26	408.82	399.59	40.8	40.8	40.9	10.08	10.02	9.77
Measuring and controlling devices	458.15	452.61	439.52	42.5	42.3	41.7	10.78	10.70	10.54
Nondurable Goods[f]	441.00	450.36	424.09	41.1	41.7	40.7	10.73	10.80	10.42
Food and kindred products	438.48	464.52	425.21	40.6	42.0	42.1	10.80	11.06	10.10
Apparel and other textile products	352.80	348.04	324.04	38.6	38.8	38.9	9.14	8.97	8.33
Paper and allied products	466.82	470.38	469.99	42.4	42.3	41.3	11.01	11.12	11.38
Printing and publishing	422.53	435.18	405.90	38.1	39.1	36.8	11.09	11.13	11.03
Chemicals and allied products	546.80	548.10	507.61	43.5	43.5	42.8	12.57	12.60	11.86
Rubber and misc. plastics products	383.45	394.98	388.14	42.7	43.5	42.7	8.98	9.08	9.09
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	618.97	626.08	600.06	41.1	41.6	41.1	15.06	15.05	14.60
Wholesale Trade	444.38	445.61	425.32	39.5	39.4	39.2	11.25	11.31	10.85
Retail Trade[h]	190.03	190.15	186.20	27.5	27.8	28.0	6.91	6.84	6.65
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	298.85	299.14	300.29	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	354.35	355.88	344.12	30.6	30.6	31.6	11.58	11.63	10.89

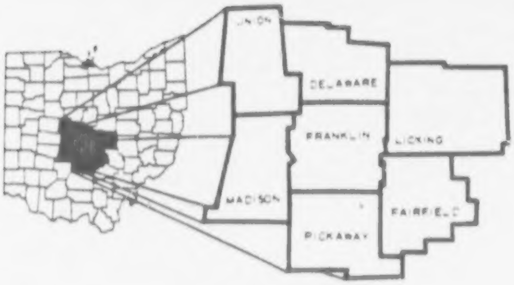
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	4,948	3,959	4,447
Active File of Job Seekers	23,971	25,177	53,102
Referrals to Jobs	2,351	2,210	2,021
Placements	342	389	403
Job Openings Received	1,239	1,361	1,231
Job Openings Unfilled	3,384	3,328	4,160
Unemployment Insurance Program			
Initial Claims	6,113	4,522	5,544
Continued Claims	42,052	39,013	38,295
First Payments	2,579	2,145	2,616
Last Payments	637	764	826
Weeks Compensated	35,016	32,550	31,265
Benefits Paid	$5,827,039	$5,089,688	$4,740,768
Average Weekly Payment	$173.90	$161.20	$154.58

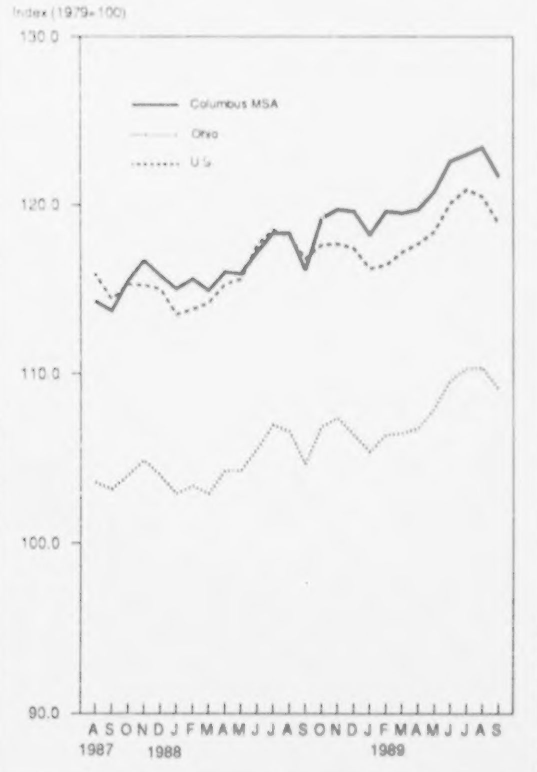
COLUMBUS
METROPOLITAN STATISTICAL AREA



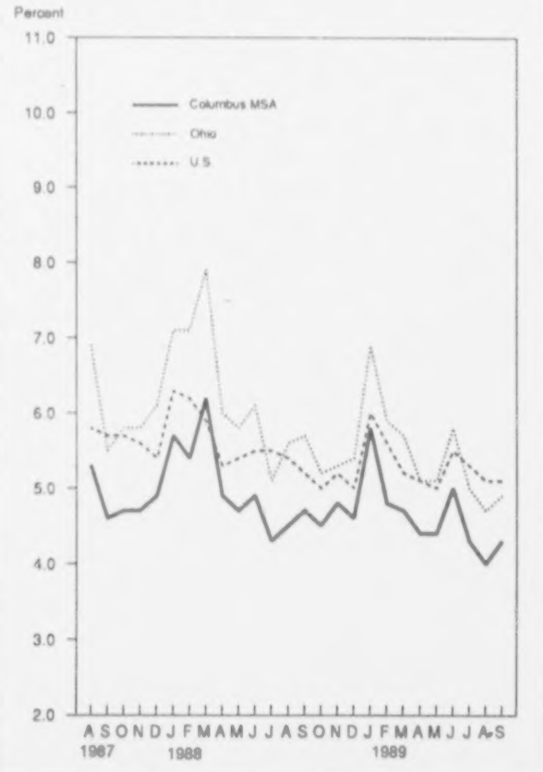
Nonagricultural payroll employment in the Columbus metropolitan area increased 7,300 above the September level to 714,300 in October 1989. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade raised nonmanufacturing employment 8,400. Reductions in durable-goods industries, especially nonelectrical machinery, lowered manufacturing employment 1,100 to 103,200. Factory production workers averaged $12.10 per hour for an average workweek of 41.6 hours, both unchanged from September.

Total nonfarm wage and salary employment advanced 22,600 between October 1988 and October 1989. A majority of the growth occurred in services, especially business and health services, retail trade, and construction. Noteworthy expansion also was recorded in finance, insurance, and real estate, wholesale trade, and transportation and public utilities. The manufacturing workforce lost 700 jobs over the year. Declines in nonelectrical machinery and food and kindred products negated marginal gains in transportation equipment, instruments and related products, and printing and publishing.

Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



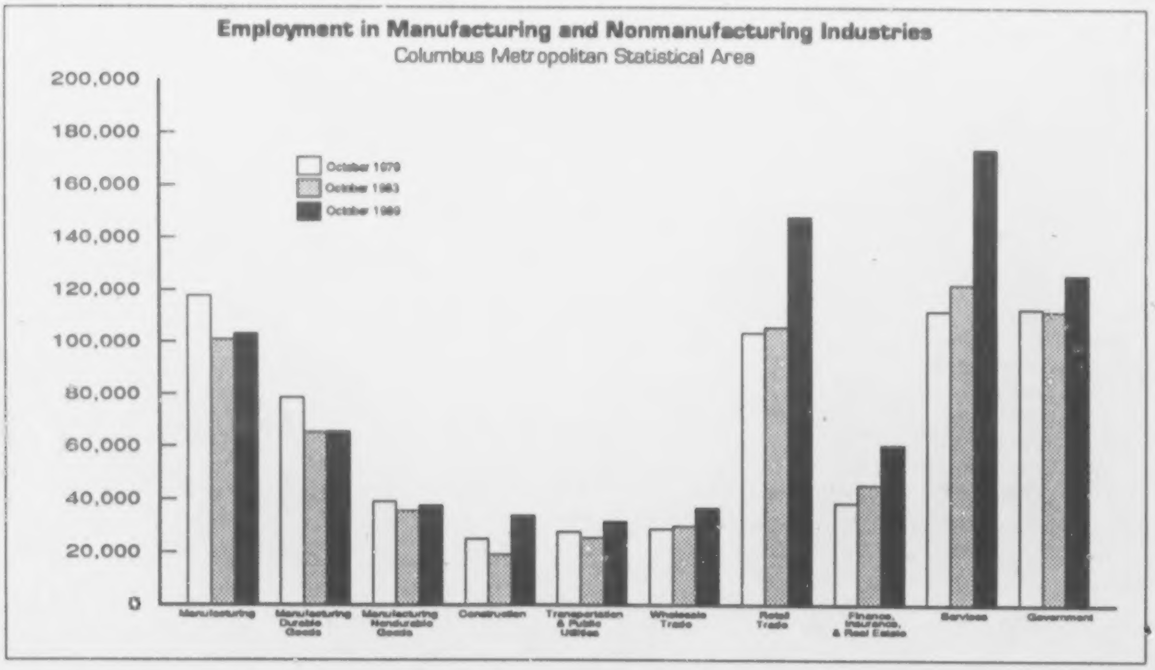
Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	July	699.2	103.2	67.5	496.43	41.3	12.02
742.2	712.8	29.4	4.0	August	701.2	103.4	67.7	495.19	41.3	11.99
734.3	702.8	31.5	4.3	September	707.0	104.3	68.4	503.36	41.6	12.10
INA	INA	INA	INA	October	714.3	103.2	67.6	503.36	41.6	12.10

INA – information not available


Employment in Manufacturing and Nonmanufacturing Industries
Columbus Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	714.3	707.0	691.7	7.3	22.6
Manufacturing	103.2	104.3	103.9	-1.1	-.7
Durable Goods[e]	65.5	66.5	66.0	-.9	-.4
Stone, clay, and glass products	10.2	10.4	10.2	-.1	.1
Glass and glassware, pressed or blown	3.3	3.3	3.3	.0	.0
Fabricated metal products	9.5	9.5	9.3	.0	.1
Fabricated structural metal products	2.5	2.6	2.6	.0	.0
Machinery, except electrical	9.0	9.6	9.8	-.6	-.8
Electric and electronic equipment	10.6	10.7	10.6	-.1	.0
Transportation equipment	13.4	13.4	13.0	.0	.4
Instruments and related products	4.5	4.4	4.1	.1	.3
Nondurable Goods[f]	37.6	37.8	37.9	-.1	-.2
Food and kindred products	10.3	10.4	10.4	-.1	-.2
Printing and publishing	10.8	10.9	10.6	.0	.2
Chemicals and allied products	6.7	6.7	6.7	.0	.0
Rubber and misc. plastics products	5.6	5.5	5.6	.1	.0
Nonmanufacturing[g]	611.1	602.8	587.8	8.4	23.3
Construction	33.8	34.2	31.1	-.3	2.8
Transportation and Public Utilities	31.5	31.3	30.4	.2	1.1
Trucking and warehousing	13.6	13.4	12.7	.1	.8
Communication, electric, gas services	11.7	11.7	12.0	.0	-.3
Wholesale Trade	36.7	36.5	35.4	.2	1.3
Wholesale trade-durable goods	23.4	23.3	22.7	.1	.7
Retail Trade	147.9	146.7	141.3	1.2	6.6
General merchandise stores	20.8	20.5	20.7	.2	.1
Finance, Insurance, and Real Estate	60.5	60.5	58.7	-.1	1.8
Banking	11.9	12.0	11.6	-.1	.3
Insurance carriers	23.8	23.9	23.4	.0	.4
Services	173.8	173.7	164.8	.1	8.9
Business services	42.5	41.9	39.0	.6	3.4
Health services	43.5	43.4	41.9	.0	1.6
Hospitals	19.8	19.8	19.2	-.1	.6
Government	126.0	119.0	125.2	7.0	.8
Federal government	15.1	15.0	15.1	.1	.0
State government	55.6	50.1	54.9	5.5	.6
State government education[i]	23.4	17.7	23.7	5.7	-.3
State government, except education	32.2	32.4	31.3	-.2	.9
Local government	55.3	53.9	55.2	1.4	.1
Local government education	33.5	32.2	33.5	1.3	.0
Local government, except education	21.8	21.7	21.7	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$503.36	$503.36	$486.22	41.6	41.6	41.7	$12.10	$12.10	$11.66
Durable Goods[e]	507.94	505.47	493.73	41.6	41.5	41.7	12.21	12.18	11.84
Stone, clay, and glass products	517.80	508.46	472.18	42.9	42.8	40.6	12.07	11.88	11.63
Glass and glassware, pressed or blown	475.73	455.52	444.69	42.4	42.1	40.5	11.22	10.82	10.98
Fabricated metal products	508.28	505.00	515.42	40.5	40.4	41.3	12.55	12.50	12.48
Fabricated structural metal products	493.91	452.79	480.22	42.8	40.5	42.8	11.54	11.18	11.22
Machinery, except electrical	488.06	484.08	444.03	42.7	42.5	41.0	11.43	11.39	10.83
Electric and electronic equipment	497.77	505.62	451.67	41.9	42.1	40.4	11.88	12.01	11.18
Transportation equipment	599.08	594.98	623.82	42.1	41.9	44.4	14.23	14.20	14.05
Instruments and related products	411.37	405.72	410.12	39.9	39.2	38.8	10.31	10.35	10.57
Nondurable Goods[f]	494.62	499.45	471.92	41.6	41.9	41.8	11.89	11.92	11.29
Food and kindred products	445.52	453.44	441.38	41.1	41.6	41.6	10.84	10.90	10.61
Printing and publishing	594.43	590.14	556.38	40.3	40.2	39.6	14.75	14.68	14.05
Chemicals and allied products	623.09	632.49	570.88	43.3	43.5	42.1	14.39	14.54	13.56
Rubber and misc. plastics products	401.33	395.17	392.49	43.2	43.0	44.5	9.29	9.19	8.82
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	653.13	664.94	579.96	43.6	44.3	40.9	14.98	15.01	14.18
Wholesale Trade	363.66	361.54	361.75	38.0	37.7	37.8	9.57	9.59	9.57
Retail Trade[h]	191.20	191.13	183.97	28.2	28.4	28.7	6.78	6.73	6.41
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	279.13	282.94	268.06	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	397.25	390.98	349.18	35.0	34.6	34.1	11.35	11.30	10.24

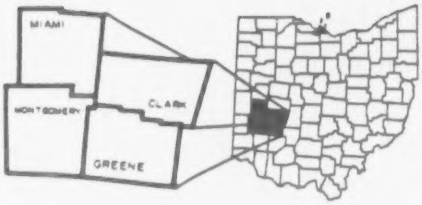
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

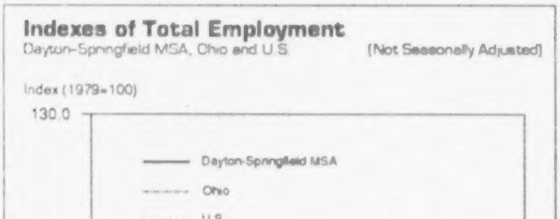
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	4,421	4,049	4,478
Active File of Job Seekers	21,335	23,278	27.265
Referrals to Jobs	2,239	3,682	2,549
Placements	642	1,376	813
Job Openings Received	1,518	2,347	1,271
Job Openings Unfilled	3,207	3,204	2,191
Unemployment Insurance Program			
Initial Claims	4,287	3,355	4,160
Continued Claims	29,647	25,637	26,011
First Payments	1,765	1,460	1,912
Last Payments	420	521	449
Weeks Compensated	21,010	21,426	19,613
Benefits Paid	$3,382,105	$3,360,840	$3,052,003
Average Weekly Payment	$168.31	$163.89	$158.97

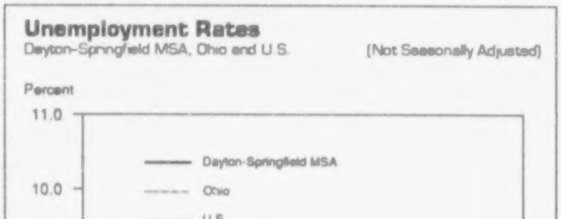
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



In the Dayton-Springfield metropolitan area, nonagricultural payroll employment totaled 459,100 in October 1989, up 2,000 from the September level. The return of nonteaching personnel in local schools and seasonal growth in services and retail trade raised nonmanufacturing employment 2,700. A labor-management dispute in fabricated metal products and less business in nonelectrical machinery lowered manufacturing employment 800 to 103,700. Factory production worker average hourly earnings of $13.05 were $.07 higher than September. Their average workweek was unchanged at 42.7 hours.

Total nonfarm wage and salary employment advanced 14,200 between October 1988 and October 1989. Noteworthy growth occurred in services, particularly business and health services, federal and local government, retail trade, construction, and transportation and public utilities. Manufacturing employment declined 1,100 over the year due to reductions in nonelectrical machinery, fabricated metal products, rubber and miscellaneous plastics products, and paper and allied products.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

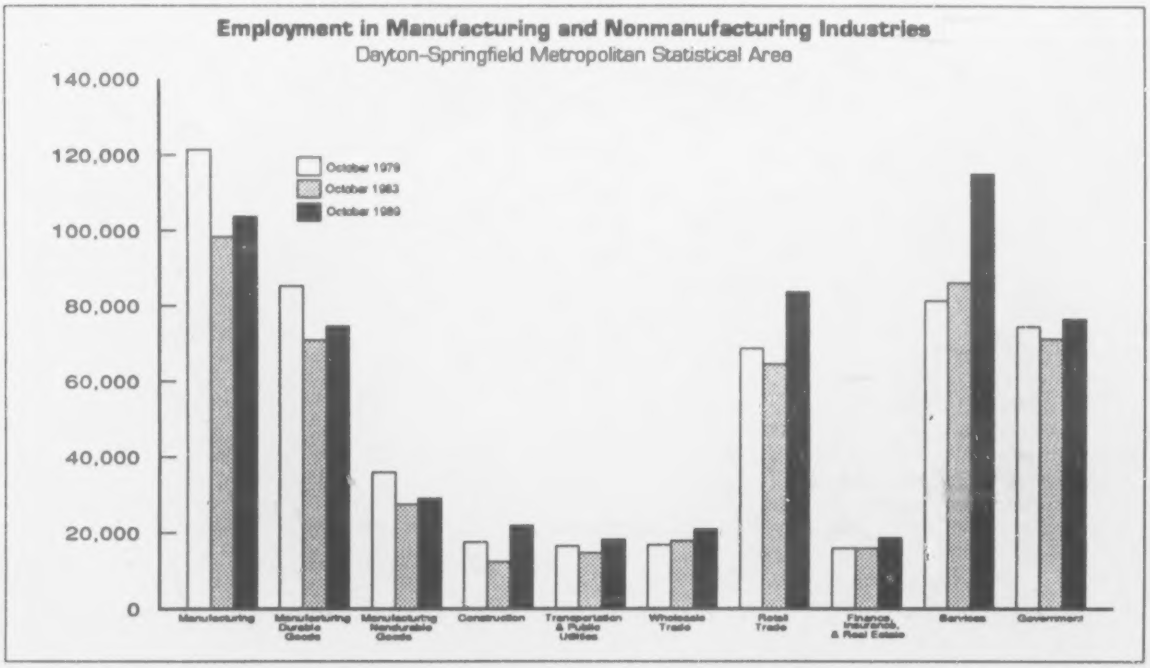

Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.8	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	July	447.2	103.8	65.9	540.18	42.4	12.74
486.5	465.3	21.2	4.4	August	448.2	104.2	66.2	531.70	41.8	12.72
486.0	463.9	22.2	4.6	September	457.2	104.5	66.7	554.25	42.7	12.98
INA	INA	INA	INA	October	459.1	103.7	66.4	557.24	42.7	13.05

INA – information not available



Employment in Manufacturing and Nonmanufacturing Industries

Dayton–Springfield Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	459.1	457.2	445.0	2.0	14.2
Manufacturing	103.7	104.5	104.8	-.8	-1.1
Durable Goods[e]	74.7	75.5	75.4	-.8	-.7
Fabricated metal products	8.0	8.4	8.3	-.4	-.4
Machinery, except electrical	30.2	30.5	30.8	-.3	-.5
Metalworking machinery	6.6	6.6	6.6	.0	.0
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.8	5.8	5.7	.0	.1
Electrical industrial apparatus	3.3	3.3	3.2	-.1	.0
Transportation equipment	20.8	20.7	20.8	.1	-.1
Nondurable Goods[f]	29.0	29.1	29.4	.0	-.4
Food and kindred products	3.1	3.1	2.9	.0	.2
Paper and allied products	5.7	5.7	5.9	.0	-.2
Printing and publishing	8.9	8.9	8.9	.0	.0
Rubber and misc. plastics products	7.5	7.4	7.9	.0	-.4
Nonmanufacturing[g]	355.4	352.6	340.1	2.7	15.2
Construction	21.8	21.9	19.9	-.1	1.9
Transportation and Public Utilities	18.1	17.9	17.1	.2	1.0
Communication, electric, gas services	5.2	5.2	5.6	.0	-.4
Wholesale Trade	20.9	20.7	20.1	.2	.8
Wholesale trade-durable goods	14.2	14.1	13.8	.1	.4
Retail Trade	83.7	83.4	81.2	.4	2.6
General merchandise stores	12.2	12.0	11.9	.2	.3
Finance, Insurance, and Real Estate	18.6	18.8	18.2	-.2	.4
Banking	4.2	4.2	4.1	-.1	.0
Credit agencies other than banks	4.8	4.9	4.7	-.1	.1
Insurance carriers	3.1	3.2	3.0	-.1	.2
Services	115.1	114.4	109.5	.8	5.6
Business services	28.8	28.4	26.5	.3	2.3
Health services	38.6	38.5	37.3	.1	1.3
Hospitals	19.7	19.7	19.3	.0	.5
Educational services	8.9	8.3	9.1	.6	-.2
Government	76.6	75.2	73.8	1.4	2.9
Federal government	29.0	29.0	27.2	.0	1.8
State government	6.8	6.4	6.7	.4	.1
State government education[i]	3.9	3.5	3.8	.4	.1
State government, except education	2.9	2.9	2.9	.0	.0
Local government	40.8	39.8	39.9	1.1	1.0
Local government education	25.5	24.4	24.9	1.1	.6
Local government, except education	15.3	15.4	15.0	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$557.24	$554.25	$573.69	42.7	42.7	44.3	$13.05	$12.98	$12.95
Durable Goods[e]	574.91	570.18	589.57	43.0	43.0	44.8	13.37	13.26	13.16
Fabricated metal products	402.97	418.03	374.12	41.5	42.7	39.8	9.71	9.79	9.40
Machinery, except electrical	610.57	596.41	621.95	43.8	43.0	45.9	13.94	13.87	13.55
Metalworking machinery	610.77	609.00	589.00	47.2	47.1	47.5	12.94	12.93	12.40
General industrial machinery	464.39	452.58	478.66	41.5	40.7	43.2	11.19	11.12	11.08
Electric and electronic equipment	411.84	429.43	458.33	41.6	42.9	45.2	9.90	10.01	10.14
Electrical industrial apparatus	499.38	521.23	553.34	42.0	43.4	48.2	11.89	12.01	11.48
Transportation equipment	739.81	725.77	772.20	44.3	43.8	46.8	16.70	16.57	16.50
Nondurable Goods[f]	498.83	508.67	526.81	41.5	41.9	42.9	12.02	12.14	12.28
Food and kindred products	355.72	349.11	358.90	40.7	40.5	41.3	8.74	8.62	8.69
Paper and allied products	497.25	487.69	478.50	44.2	43.7	43.5	11.25	11.16	11.00
Printing and publishing	465.26	486.30	473.52	39.8	40.9	41.5	11.69	11.89	11.41
Rubber and misc. plastics products	642.80	674.44	733.22	40.1	41.2	44.6	16.03	16.37	16.44
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	569.49	580.17	552.67	41.0	41.5	40.4	13.89	13.98	13.68
Wholesale Trade	398.40	399.60	405.56	39.8	40.0	39.8	10.01	9.99	10.19
Retail Trade[h]	176.13	175.12	163.88	28.5	28.2	28.5	6.18	6.21	5.75
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	394.11	394.11	354.22	34.3	34.3	33.8	11.49	11.49	10.48

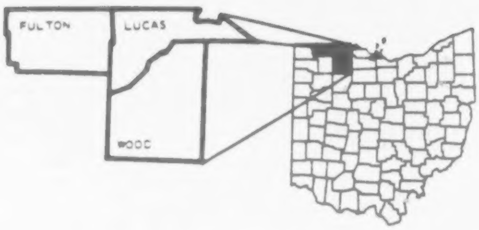
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	2,890	1,969	2,390
Active File of Job Seekers	10,965	11,761	11,147
Referrals to Jobs	1,778	1,647	1,922
Placements	572	426	479
Job Openings Received	1,037	699	1,205
Job Openings Unfilled	2,711	3,225	2,075
Unemployment Insurance Program			
Initial Claims	5,349	5,647	2,912
Continued Claims	25,369	19,875	16,913
First Payments	1,970	2,428	1,255
Last Payments	317	343	314
Weeks Compensated	19,534	16,509	13,639
Benefits Paid	$3,258,004	$2,552,325	$1,975,205
Average Weekly Payment	$176.11	$161.72	$147.49

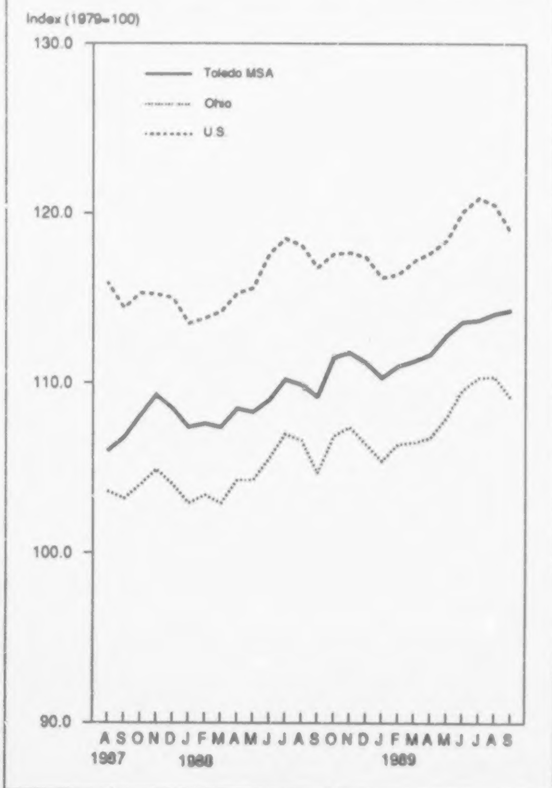
TOLEDO
METROPOLITAN STATISTICAL AREA



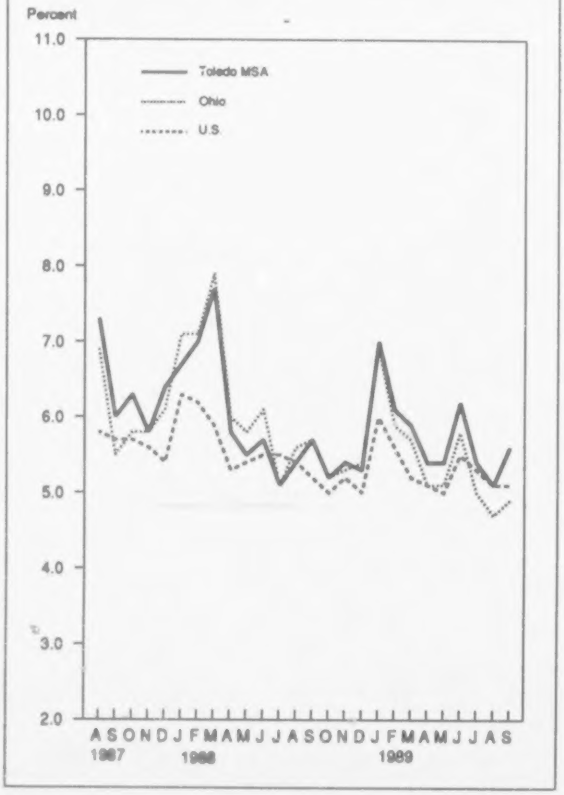
Nonagricultural payroll employment in the Toledo metropolitan area rose 1,600 above the September level to 299,600 in October 1989. The continued return of nonteaching personnel in state schools and colleges and more business in retail trade increased nonmanufacturing employment 2,600. A seasonal decline in food and kindred products and scattered losses among producers of durable goods lowered manufacturing employment 1,000 over the month to 60,300. Factory production workers averaged $13.25 per hour, up $.11 from September. Their average workweek of 43.1 hours was .1 hours longer.

Total nonfarm wage and salary employment advanced 8,300 between October 1988 and October 1989. The leading growth industries were services (+4,400), retail trade (+3,500), and construction (+1,900). The manufacturing workforce lost 2,500 jobs during the period. Noteworthy declines occurred in transportation equipment, fabricated metal products, primary metal industries, and nonelectrical machinery.

Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

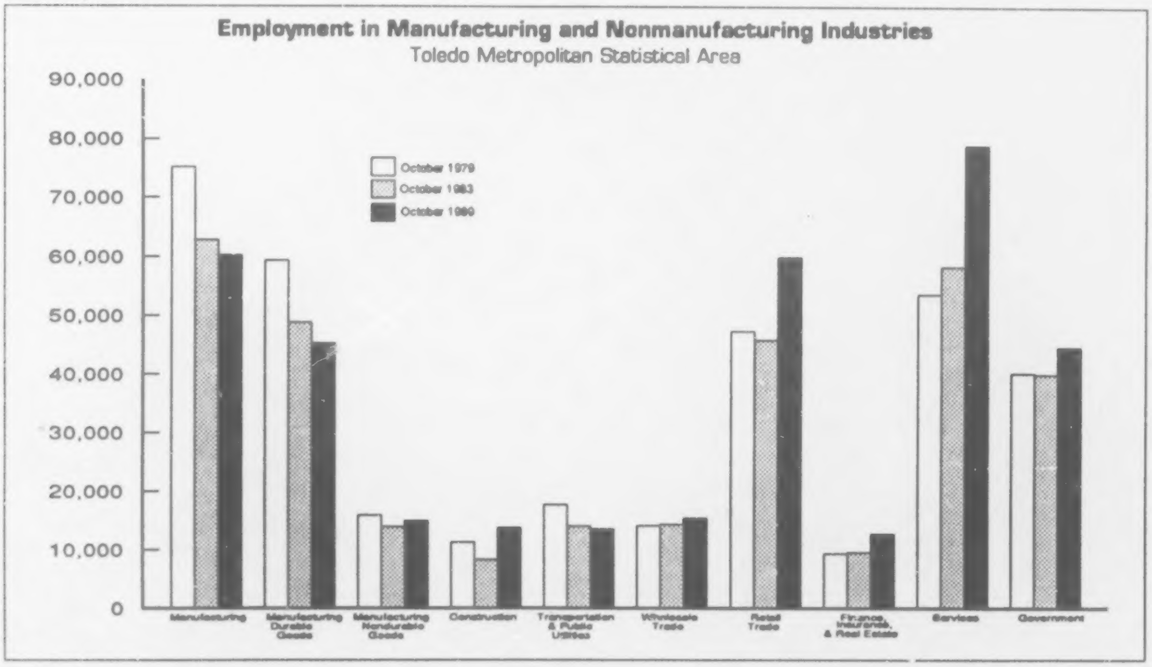


Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	June	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	July	290.7	61.1	43.4	566.24	42.8	13.23
321.3	304.8	16.5	5.1	August	291.5	61.6	44.0	576.76	43.3	13.32
323.4	305.4	18.0	5.6	September	298.0	61.3	43.9	565.02	43.0	13.14
INA	INA	INA	INA	October	299.6	60.3	43.0	571.08	43.1	13.25

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	299.6	298.0	291.3	1.6	8.3
Manufacturing	60.3	61.3	62.8	-1.0	-2.5
Durable Goods[e]	45.4	45.8	47.4	-.4	-2.1
Stone, clay, and glass products	7.5	7.6	7.6	-.1	-.1
Primary metal industries	3.3	3.3	3.7	.0	-.4
Fabricated metal products	7.0	7.1	7.5	-.1	-.5
Metal forgings and stampings	2.7	2.8	3.2	-.1	-.5
Machinery, except electrical	5.5	5.6	5.9	-.1	-.4
Electric and electronic equipment	2.0	2.1	2.2	-.1	-.2
Transportation equipment	15.0	15.0	15.6	.0	-.6
Motor vehicles and equipment	14.1	14.1	14.7	.0	-.6
Nondurable Goods[f]	14.9	15.5	15.4	-.6	-.5
Food and kindred products	3.9	4.4	4.0	-.5	-.1
Rubber and misc. plastics products	3.5	3.5	3.6	.0	-.1
Nonmanufacturing[g]	239.3	236.7	228.4	2.6	10.9
Construction	13.8	13.6	11.9	.1	1.9
Transportation and Public Utilities	13.5	13.5	13.4	.0	.2
Trucking and warehousing	5.8	5.8	5.5	.1	.3
Communication, electric, gas services	4.7	4.8	4.8	.0	.0
Wholesale Trade	15.5	15.4	15.0	.1	.5
Wholesale trade-durable goods	10.4	10.4	10.1	.0	.3
Retail Trade	59.9	59.5	56.4	.4	3.5
General merchandise stores	8.9	8.7	8.7	.3	.3
Finance, Insurance, and Real Estate	12.7	12.6	12.5	.1	.2
Banking	3.7	3.7	3.8	.0	-.1
Services	78.9	79.0	74.5	-.1	4.4
Business services	17.5	17.5	15.9	.0	1.6
Health services	27.6	27.7	27.2	-.1	.4
Hospitals	15.1	15.2	15.0	.0	.1
Government	44.7	42.7	44.5	2.0	.2
State government	17.2	15.7	16.9	1.5	.3
State government education[i]	13.1	11.4	12.7	1.6	.3
State government, except education	4.2	4.2	4.1	-.1	.0
Local government	24.9	24.4	25.0	.5	-.2
Local government education	14.3	13.9	14.6	.3	-.3
Local government, except education	10.6	10.5	10.5	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$571.08	$565.02	$585.64	43.1	43.0	44.4	$13.25	$13.14	$13.19
Durable Goods[e]	592.41	584.93	607.01	43.4	43.2	44.6	13.65	13.54	13.61
Stone, clay, and glass products	599.28	542.15	524.75	44.0	41.8	40.9	13.62	12.97	12.83
Primary metal industries	487.62	509.08	498.35	43.0	44.5	43.6	11.34	11.44	11.43
Fabricated metal products	468.57	483.75	534.45	42.1	43.0	44.5	11.13	11.25	12.01
Metal forgings and stampings	623.17	598.32	631.67	41.6	40.4	43.0	14.98	14.81	14.69
Machinery, except electrical	525.92	516.86	517.63	43.5	43.0	43.1	12.09	12.02	12.01
Electric and electronic equipment	520.45	518.38	572.74	42.8	42.7	45.6	12.16	12.14	12.56
Transportation equipment	758.28	749.26	795.05	44.5	44.1	47.1	17.04	16.99	16.88
Motor vehicles and equipment	765.85	756.76	803.34	44.5	44.1	47.2	17.21	17.16	17.02
Nondurable Goods[f]	503.37	501.17	504.01	42.3	42.4	43.3	11.90	11.82	11.64
Food and kindred products	585.73	538.07	589.63	43.1	41.2	44.5	13.59	13.06	13.25
Rubber and misc. plastics products	368.30	381.02	343.88	41.9	43.2	40.6	8.79	8.82	8.47
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	604.40	618.03	602.78	41.2	41.9	41.4	14.67	14.75	14.56
Wholesale Trade	419.80	411.69	398.60	40.6	39.7	39.9	10.34	10.37	9.99
Retail Trade[h]	159.30	161.07	159.61	27.0	27.3	28.1	5.90	5.90	5.68

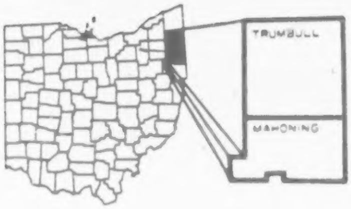
[a] See Technical Notes for concepts.
[b] Preliminary.
[c] Revised.
[d] Based on unrounded figures.
[e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing.
[f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[g] Includes mining.
[h] Money payments only; tips not included.
[i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.
[j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

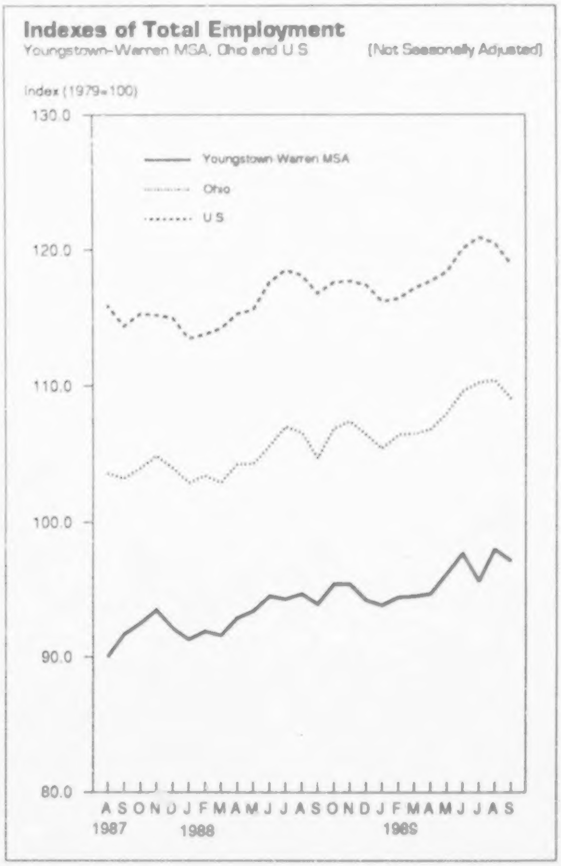
	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	2,037	1,794	2,449
Active File of Job Seekers	11,215	11,845	17,082
Referrals to Jobs	1,089	1,289	1,833
Placements	356	302	658
Job Openings Received	525	510	1,055
Job Openings Unfilled	1,195	1,279	1,764
Unemployment Insurance Program			
Initial Claims	4,269	2,721	2,847
Continued Claims	19,017	17,381	14,134
First Payments	996	1,155	1,039
Last Payments	205	245	202
Weeks Compensated	14,730	15,695	11,310
Benefits Paid	$2,440,437	$2,585,348	$1,711,651
Average Weekly Payment	$178.15	$175.72	$155.35

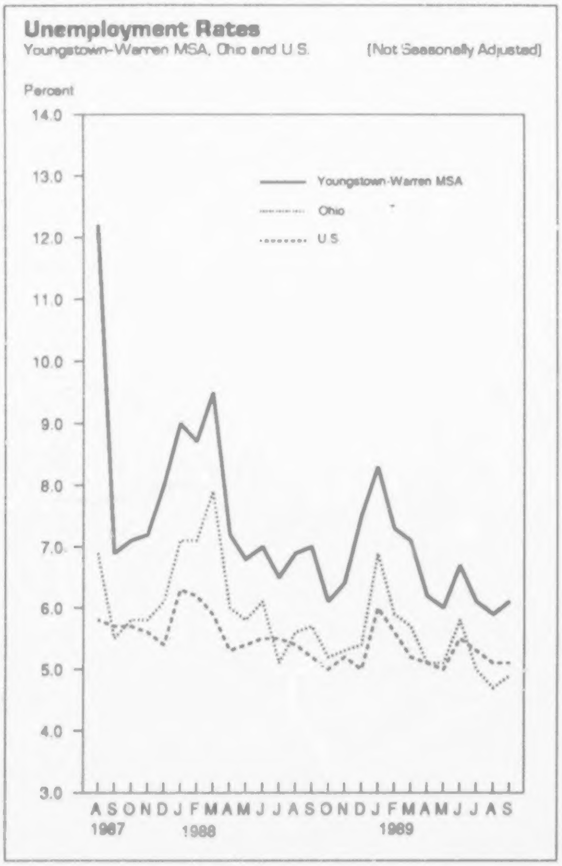
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Youngstown-Warren metropolitan area rose 900 above the September level to 203,300 in October 1989. The improvement was concentrated in the nonmanufacturing sector. The return of nonteaching personnel in state and local schools and colleges more than offset a seasonal decline in services. Less business in primary metal industries lowered manufacturing employment 100 over the month to 49,600. Factory production workers averaged $14.21 per hour, up $.04 from September. Their average workweek of 43.7 hours was .5 hours longer.

Nonagricultural wage and salary employment advanced 5,300 between October 1988 and October 1989. Leading areas of expansion were services (+3,200), retail trade (+1,800), and construction (+1,000). Manufacturing employment dropped 2,100 during the period due to a significant reduction in primary metal industries and modest declines in transportation equipment and electric and electronic equipment.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

Youngstown–Warren MSA Labor Force and Employment Data

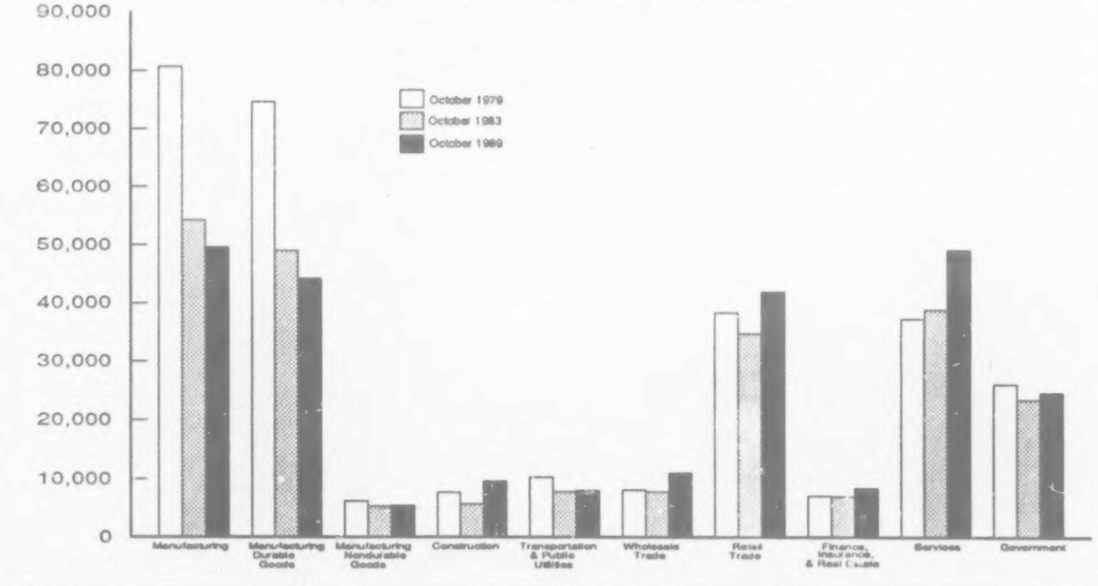
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
235.2	217.5	17.7	7.5	**1978**	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	**1979**	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	**1980**	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	**1981**	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	**1982**	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	**1983**	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	**1984**	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	**1985**	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	**1986**	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	**1987**	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	**1988**	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
222.0	206.4	15.6	7.0	**September**	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	**October**	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	**November**	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	**December**	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	**January**	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	**February**	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	**March**	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	**April**	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	**May**	200.0	50.1	38.1	600.66	43.4	13.84
230.2	214.9	15.3	6.7	**June**	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	**July**	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	**August**	198.9	48.9	36.8	589.96	42.2	13.98
227.5	213.6	13.9	6.1	**September**	202.4	49.7	37.7	612.14	43.2	14.17
INA	INA	INA	INA	**October**	203.3	49.6	37.5	620.98	43.7	14.21

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Youngstown–Warren Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1989[b]	September 1989[c]	October 1988[c]	From Last Month	From Last Year
Total	203.3	202.4	198.0	.9	5.3
Manufacturing	49.6	49.7	51.7	-.1	-2.1
Durable Goods[e]	44.2	44.4	46.2	-.1	-2.0
Primary metal industries	18.0	18.2	19.3	-.3	-1.4
Blast furnace and basic steel products	5.2	5.3	5.8	-.1	-.6
Fabricated metal products	7.4	7.4	7.5	.0	-.1
Machinery, except electrical	3.8	3.8	3.7	.0	.1
Electric and electronic equipment	2.2	2.2	2.4	.0	-.2
Transportation equipment	9.4	9.4	9.9	.0	-.4
Nondurable Goods[f]	5.4	5.3	5.5	.1	-.1
Nonmanufacturing[g]	153.7	152.7	146.3	1.0	7.4
Construction	9.6	9.7	8.6	-.1	1.0
Transportation and Public Utilities	8.0	7.9	7.8	.0	.2
Communication, electric, gas services	2.7	2.7	2.9	.0	-.1
Wholesale Trade	11.0	10.8	10.6	.2	.4
Wholesale trade-durable goods	6.9	6.8	6.8	.1	.1
Retail Trade	42.1	42.0	40.3	.1	1.8
General merchandise stores	5.3	5.2	5.3	.1	.0
Finance, Insurance, and Real Estate	8.3	8.3	8.3	.0	.0
Banking	2.8	2.8	2.7	.0	.1
Services	49.3	50.1	46.1	-.8	3.2
Health services	21.4	21.3	20.6	.1	.7
Hospitals	10.9	11.0	10.7	.0	.3
Government	24.8	23.2	23.9	1.5	.8
State government	4.2	3.4	4.1	.8	.1
State government education[i]	2.7	1.9	2.6	.9	.1
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.5	17.8	17.8	.7	.7
Local government education	12.0	11.2	11.5	.8	.5
Local government, except education	6.5	6.6	6.3	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]	Oct. 1989[b]	Sep. 1989[c]	Oct. 1988[c]
Manufacturing	$620.98	$612.14	$586.09	43.7	43.2	43.0	$14.21	$14.17	$13.63
Durable Goods[e]	637.43	628.43	601.34	43.9	43.4	43.2	14.52	14.48	13.92
Primary metal industries	678.97	694.06	662.06	43.0	43.9	43.7	15.79	15.81	15.15
Blast furnace and basic steel products	643.11	633.87	619.70	46.3	45.8	45.6	13.89	13.84	13.59
Fabricated metal products	620.60	613.33	588.67	45.2	44.9	43.8	13.73	13.66	13.44
Machinery, except electrical	522.29	510.85	498.67	43.2	42.5	43.4	12.09	12.02	11.49
Electric and electronic equipment	462.40	487.97	457.15	40.0	41.6	41.0	11.56	11.73	11.15
Transportation equipment	723.21	665.03	622.21	46.3	43.1	43.0	15.62	15.43	14.47
Nondurable Goods[f]	445.71	446.04	418.40	41.5	41.3	40.7	10.74	10.80	10.28
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	600.92	613.62	579.96	41.3	42.0	40.9	14.55	14.61	14.18
Wholesale Trade	385.11	387.69	376.75	38.9	39.2	39.7	9.90	9.89	9.49
Retail Trade[h]	183.38	183.02	174.89	28.3	28.2	29.1	6.48	6.49	6.01

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	October 1989	Sept. 1989	October 1988
Employment Service Program			
New Applicants	2,381	2,269	2,554
Active File of Job Seekers	14,304	15,177	17,285
Referrals to Jobs	1,831	1,412	1,884
Placements	382	405	627
Job Openings Received	522	691	1,021
Job Openings Unfilled	620	696	925
Unemployment Insurance Program			
Initial Claims	3,435	2,882	2,687
Continued Claims	17,202	14,522	12,751
First Payments	1,039	978	853
Last Payments	240	210	198
Weeks Compensated	13,188	13,278	10,197
Benefits Paid	$1,963,561	$1,893,724	$1,433,810
Average Weekly Payment	$158.92	$151.16	$144.40

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	October 1989	September 1989	October 1988
New Applicants	37,382	32,204	38,294
Active File of Job Seekers	188,200	198,252	247,110
Counseling Interviews	1,095	740	1,547
Tests Administered	1,341	1,314	2,175
General Aptitude Tests	160	122	261
Proficiency Tests	345	315	462
Specific Aptitude Tests	79	133	420
Referrals to Jobs	24,961	25,216	31,168
Placements	5,736	5,770	9,249
Job Openings Received	10,595	11,497	14,190
Job Openings Unfilled	20,674	22,687	25,809

Selected Unemployment Insurance Activities

	Ohio		
	October 1989	September 1989	October 1988
Initial Claims	57,166	44,673	43,496
Continued Claims	305,369	267,086	250,873
First Payments	20,888	17,999	16,329
Last Payments	4,256	4,555	4,363
Average Weekly Claimants	67,514	65,735	61,116
Average Weekly Benefit Recipients	55,791	53,978	48,898
Weeks Compensated	131,738	226,751	197,380
Benefits Paid	$21,132,992	$34,922,857	$29,778,357
Average Weekly Payment	$167.71	$161.09	$154.44
Continued Claims for Survey Week	70,987	65,334	59,374
Insured Unemployment Rate	1.5	1.5	1.4
Net Contributions	INA	$4,421,902	$37,887,340
Active Employer Accounts	204,991	204,610	200,778

INA = Information Not Available

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Ohio
Labor
Market
Information

Labor Market Review

November 1989

Summary. The seasonally adjusted unemployment rate in Ohio, at 6.3 percent in November, was up from 6.1 percent in October. The U.S. rate was also higher, rising from 5.3 percent to 5.4 percent. Total employment in Ohio declined 70,000 to 5,099,000 while total unemployment, at 345,000, increased 11,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio totaled 4,832,000 in November, up 18,000 from October. Strong gains were recorded in both manufacturing and nonmanufacturing industries. (See page 3.)

Factory Employment. Increases in most durable-goods industries boosted manufacturing employment 7,000 from October to 1,101,000 in November. The settlement of labor–management disputes in nonelectrical machinery and primary metal industries along with partial recalls in transportation equipment helped raise durable-goods employment 7,000 to 739,000. Nondurable-goods employment was virtually unchanged from October at 362,000.

Nonmanufacturing. Ohio's nonmanufacturing employment rose 10,000 from October to 3,731,000 in November. The largest gain occurred in services (+6,000). Retail trade added 2,000 jobs, while construction and wholesale trade were up 1,000 each. Employment in mining, transportation and public utilities, and finance, insurance, and real estate was unchanged from October. Government employment declined 1,000 from the previous month.

Over the Year. The unemployment rate in Ohio rose from 5.7 percent in November 1988 to 6.3 percent in November 1989. The national rate of 5.4 percent was on par with November 1988. Total employment in Ohio was up 40,000 from November 1988; the number unemployed increased 38,000. Nonfarm wage and salary employment rose 111,000 over the year. Employment in services advanced 51,000, retail trade was up 31,000, and construction added 13,000 jobs from November 1988. Declines in durable-goods industries were responsible for a loss of 9,000 in manufacturing employment over the year.

Factory Hours and Earnings. Production workers in Ohio's manufacturing industries had average weekly earnings of $528.20 in November, up $5.02 from October. Their average workweek grew .2 hours to 42.7 hours. Most industries had higher earnings due to increased overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, aircraft and parts, and metalworking machinery.

Benefits and Costs. In November, 75,837 initial claims were filed under the Ohio Unemployment Compensation Law, up 32.7 percent from October, and up 39.1 percent from November 1988. The average benefit check rose $.49 to $168.20. Total benefits paid, at $44.8 million, were up 20.8 percent. The average weekly number of benefit recipients

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

increased 5.8 percent from October to 59,052. At the end of November there were 206,038 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,748 new job applicants in November, down 12.4 percent from October, and down 10.1 percent from November 1988. Job openings received from employers fell 23.7 percent from October to 8,086. The Employment Services Division made 20,039 job referrals and 4,163 placements.

Ohio At Work, 1988 Chartbook

The Labor Market Information Division of the Ohio Bureau of Employment Services is announcing the publication of the new edition of the *Ohio At Work, 1988 Chartbook*. This chartbook is a graphic presentation of information on the composition and trends of Ohio's civilian labor force and its two components, the employed and the unemployed. This edition of the Chartbook consists of 44 charts and accompanying data, including trend information and comparisons between Ohio and the United States.

The Chartbook is based on data from the Current Population Survey conducted for the U.S. Bureau of Labor Statistics by the Bureau of the Census. Ohio data were provided to the Ohio Bureau of Employment Services as part of the federal-state cooperative Local Area Unemployment Statistics program.

To order your free copy of *Ohio At Work, 1988 Chartbook*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	November 1989	**October 1989**	**November 1988**	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,444	5,503	5,366	-59	78	-1.1	1.5
Employment	5,099	5,169	5,059	-70	40	-1.4	0.8
Unemployment	345	334	307	11	38	3.3	12.4
Unemployment Rate	6.3	6.1	5.7				
Employer Survey Data[e]							
Total	4,832	4,814	4,721	18	111	0.4	2.3
Manufacturing	1,101	1,094	1,110	7	-9	0.7	-0.8
Durable Goods	739	732	750	7	-11	0.9	-1.4
Nondurable Goods	362	362	361	1	2	0.2	0.4
Nonmanufacturing	3,731	3,720	3,611	10	120	0.3	3.3
Mining	20	20	19	0	0	-0.5	2.2
Construction	199	198	186	1	13	0.5	6.8
Transportation and Public Utilities	215	215	213	0	3	0.1	1.2
Wholesale Trade	265	264	258	1	8	0.5	2.9
Retail Trade	918	916	887	2	31	0.3	3.5
Finance, Insurance, and Real Estate	257	257	252	0	5	0.0	2.0
Services	1,154	1,147	1,102	6	51	0.6	4.7
Government	703	704	694	-1	9	-0.1	1.3
Goods Producing Industries[f]	1,320	1,311	1,316	8	4	0.6	0.3
Service Producing Industries[g]	3,512	3,503	3,406	10	107	0.3	3.1

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[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

[b] Changes are computed from unrounded numbers.

[c] Percentages are computed from unrounded numbers.

[d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

[e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

[f] Includes Mining, Construction, and Manufacturing.

[g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rates			Total Nonagricultural Employment			
							Manufacturing Employment		
Total	Employed	Unemployed	Ohio	U.S.				Durable	Nondurable
					1987				
5,270	4,946	324	6.1	5.9	November	4,631	1,106	746	360
5,279	4,949	330	6.3	5.8	December	4,650	1,110	748	362
					1988				
5,324	4,981	343	6.4	5.8	January	4,637	1,104	744	360
5,355	5,014	341	6.4	5.7	February	4,644	1,103	743	359
5,369	4,974	395	7.4	5.6	March	4,653	1,097	737	360
5,301	4,970	331	6.2	5.5	April	4,656	1,101	742	360
5,284	4,960	324	6.1	5.6	May	4,661	1,100	742	359
5,306	4,994	312	5.9	5.4	June	4,671	1,102	742	360
5,294	5,004	290	5.5	5.4	July	4,676	1,101	742	359
5,329	5,028	301	5.6	5.6	August	4,680	1,100	741	358
5,311	5,004	307	5.8	5.4	September	4,691	1,103	743	359
5,349	5,049	300	5.6	5.3	October	4,704	1,105	746	360
5,366	5,059	307	5.7	5.4	November	4,721	1,110	750	361
5,355	5,060	295	5.5	5.3	December	4,733	1,111	750	362
					1989				
5,426	5,094	332	6.1	5.4	January	4,764	1,122	757	364
5,432	5,152	280	5.2	5.1	February	4,772	1,118	754	364
5,428	5,144	284	5.2	5.0	March	4,777	1,114	751	363
5,381	5,093	288	5.4	5.3	April	4,778	1,110	748	362
5,434	5,138	296	5.4	5.2	May	4,780	1,107	747	360
5,490	5,183	307	5.6	5.3	June	4,786	1,107	746	361
5,450	5,157	293	5.4	5.2	July	4,787	1,100	740	359
5,469	5,209	260	4.8	5.2	August	4,807	1,108	748	360
5,491	5,216	275	5.0	5.3	September	4,815	1,106	745	361
5,503	5,169	334	6.1	5.3	October	4,814	1,094	732	362
5,444	5,099	345	6.3	5.4	November	4,832	1,101	739	362

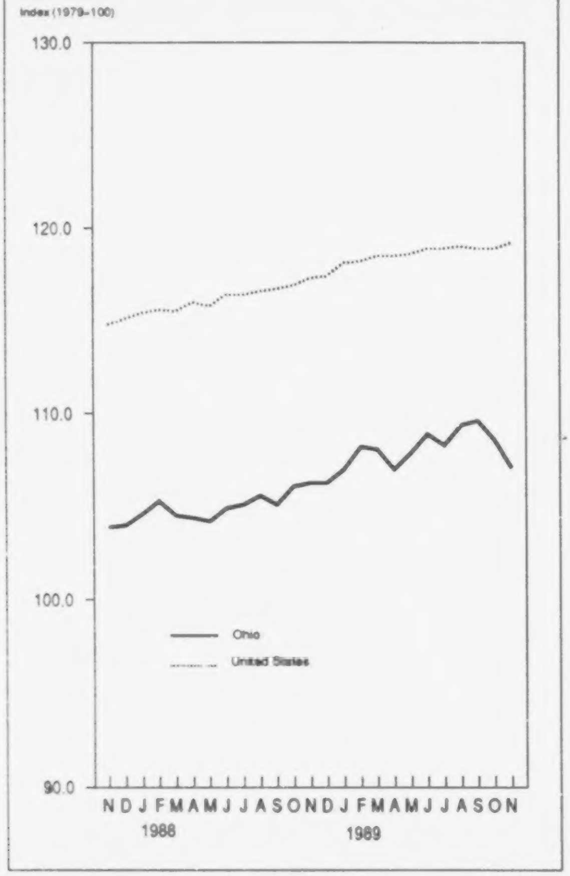
Nonmanufacturing Employment
(in thousands)

Total Nonmanu-facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1997				
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
					1988				
3,533	20	181	210	251	January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
					1989				
3,642	19	196	213	259	January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,672	19	196	214	261	May	902	255	1129	696
3,679	20	197	214	261	June	906	255	1132	694
3,688	17	197	214	262	July	908	255	1136	698
3,700	20	197	215	263	August	910	256	1140	698
3,709	20	198	215	263	September	912	257	1145	699
3,720	20	198	215	264	October	916	257	1147	704
3,731	20	199	215	265	November	918	257	1154	703

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review.*

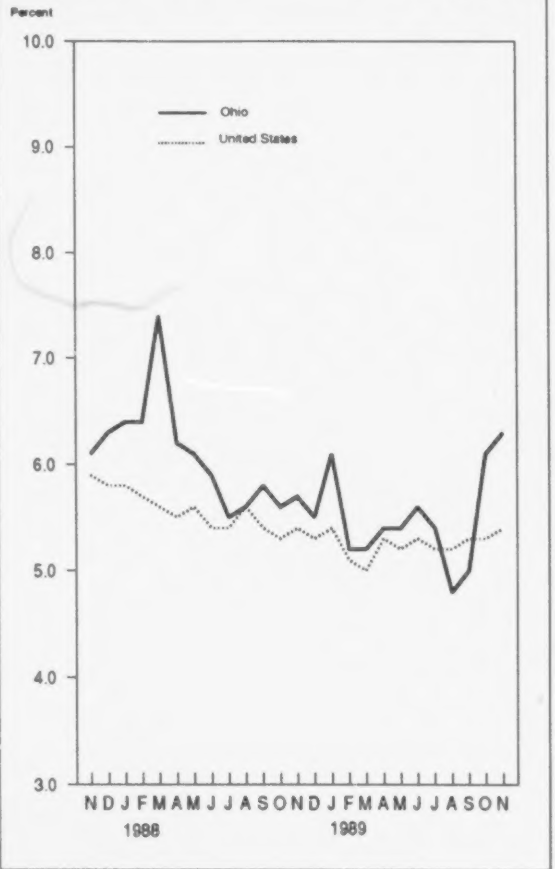
Indexes of Total Employment

Ohio and U.S. (Seasonally Adjusted)



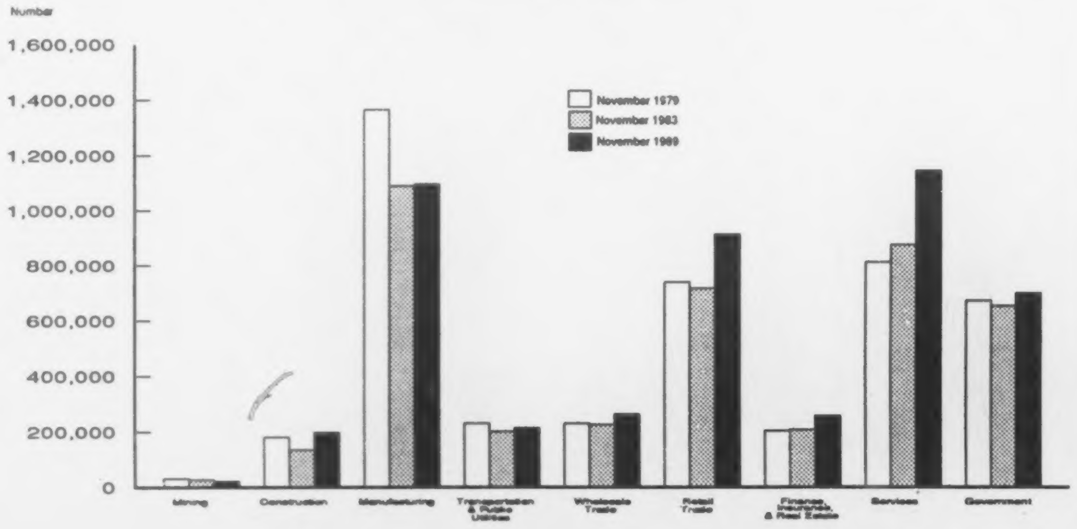
Unemployment Rates

Ohio and U.S. (Seasonally Adjusted)



Employment in Division-Level Industries

(Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rates	
	Total	Employed	Unemployed	Ohio	U.S.
1978	4,959	4,690	268	5.4	6.1
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,232	4,806	425	8.1	7.0
1987	5,254	4,887	367	7.0	6.2
1988	5,328	5,008	320	6.0	5.5
1988					
November	5,400	5,113	287	5.3	5.2
December	5,352	5,066	286	5.4	5.0
1989					
January	5,384	5,015	369	6.9	6.0
February	5,380	5,063	317	5.9	5.6
March	5,375	5,068	307	5.7	5.2
April	5,357	5,085	273	5.1	5.1
May	5,419	5,143	277	5.1	5.0
June	5,537	5,216	321	5.8	5.5
July	5,526	5,248	277	5.0	5.3
August	5,517	5,257	261	4.7	5.1
September	5,460	5,192	269	4.9	5.1
October	5,513	5,203	310	5.6	5.0
November	5,471	5,147	324	5.9	5.2

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

	Total Nonagricultural Employment			
		Manufacturing Employment		
			Durable	Nondurable
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,582.6	1,098.9	740.4	358.4
1988	4,683.0	1,103.1	743.6	359.6
1988				
November	4,834.7	1,115.7	753.3	362.3
December	4,781.8	1,115.1	752.5	362.6
1989				
January	4,669.0	1,112.2	751.4	360.8
February	4,671.4	1,107.3	747.9	359.4
March	4,707.6	1,106.9	748.1	358.8
April	4,761.0	1,107.1	748.4	358.7
May	4,811.3	1,107.5	748.7	358.8
June	4,831.8	1,112.5	750.8	361.7
July	4,791.5	1,099.6	739.6	360.0
August	4,807.2	1,109.4	746.3	363.1
September	4,855.2	1,113.3	747.0	366.3
October	4,869.6	1,098.7	734.3	364.4
November	4,888.3	1,107.3	743.4	363.9

Nonmanufacturing Employment

(in thousands)

	Total Nonmanu-facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade
1978	3,017.7	29.0	176.6	225.0	226.0
1979	3,102.5	31.6	182.9	232.1	232.8
1980	3,103.0	30.7	167.4	223.1	230.6
1981	3,085.1	30.7	153.7	217.2	232.5
1982	3,024.4	30.3	134.6	206.8	226.0
1983	3,026.5	26.6	130.8	198.5	222.5
1984	3,133.1	27.8	144.8	203.9	236.7
1985	3,248.6	26.1	154.0	202.7	243.7
1986	3,361.6	22.6	160.7	203.4	244.3
1987	3,483.7	20.9	176.4	207.8	248.0
1988	3,579.8	19.5	183.6	211.5	254.3
1988					
November	3,719.0	19.7	197.4	214.7	258.5
December	3,666.6	19.5	188.0	215.3	259.1
1989					
January	3,556.9	18.9	167.0	208.7	256.9
February	3,564.1	18.6	162.2	208.5	256.9
March	3,600.8	18.7	170.8	209.7	257.8
April	3,653.9	19.0	184.7	212.8	259.7
May	3,703.7	19.2	197.0	214.3	261.3
June	3,719.4	19.8	206.5	216.0	263.1
July	3,692.0	17.0	215.0	216.0	263.8
August	3,697.8	20.1	218.0	217.0	263.8
September	3,741.9	20.2	217.3	217.3	263.7
October	3,770.9	20.2	218.0	217.9	265.6
November	3,781.0	20.1	210.8	217.6	266.1

	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1978	730.4	191.1	772.1	667.5
1979	742.4	200.6	806.2	674.0
1980	726.6	203.8	830.9	689.9
1981	717.7	205.8	851.6	676.0
1982	703.4	206.4	857.3	659.6
1983	711.0	207.8	873.3	656.1
1984	748.0	211.5	905.2	655.2
1985	787.9	219.3	949.5	665.2
1986	818.6	232.3	1,001.0	678.9
1987	848.3	243.8	1,051.2	687.3
1988	876.5	249.8	1,087.8	696.8
1988				
November	906.0	252.1	1,102.1	768.5
December	921.4	252.4	1,101.0	710.0
1989				
January	877.0	250.3	1,083.4	694.5
February	867.2	250.8	1,091.8	708.0
March	876.3	251.5	1,103.0	712.9
April	889.8	253.1	1,125.5	709.3
May	904.2	254.6	1,138.7	714.4
June	912.5	257.0	1,149.9	694.5
July	913.8	258.5	1,151.2	656.5
August	918.6	259.0	1,152.6	648.7
September	920.1	257.8	1,160.2	685.3
October	923.9	257.3	1,155.2	712.8
November	937.4	257.2	1,153.6	718.2

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,377.2	974.5	402.7	1978	985.5	$302.5	41.5
1,382.3	980.5	401.6	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,098.9	740.4	358.4	1987	751.4	375.5	32.0
1,103.1	743.6	359.6	1988	759.1	391.7	32.6
			1988			
1,115.7	753.3	362.3	November	771.1	410.1	33.7
1,115.1	752.5	362.6	December	770.1	411.5	33.7
			1989			
1,112.2	751.4	360.8	January	766.2	404.1	33.1
1,107.3	747.9	359.4	February	762.0	400.1	32.8
1,106.9	748.1	358.8	March	761.4	400.2	32.7
1,107.1	748.4	358.7	April	761.4	397.0	32.5
1,107.5	748.7	358.8	May	761.1	397.5	32.5
1,112.5	750.8	361.7	June	764.1	402.9	32.8
1,099.6	739.6	360.0	July	750.5	383.3	31.5
1,109.4	746.3	363.1	August	759.9	391.3	32.0
1,113.3	747.0	366.3	September	764.7	404.2	32.7
1,098.7	734.3	364.4	October	751.6	393.2	31.9
1,107.3	743.4	363.9	November	759.9	401.4	32.4

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manu-facturing	Durable Goods	Nondurable Goods		Manu-facturing	Durable Goods	Nondurable Goods		Manu-facturing	Durable Goods	Nondurable Goods
$306.91	$316.83	$279.30	1978	42.1	42.3	41.5	1978	$ 7.29	$ 7.49	$ 6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
516.00	538.59	465.47	1988	43.0	43.4	42.2	1988	12.00	12.41	11.03
			1988				1988			
531.83	557.80	472.43	November	43.7	44.2	42.6	November	12.17	12.62	11.09
534.36	557.80	479.62	December	43.8	44.2	42.9	December	12.20	12.62	11.18
			1989				1989			
527.47	551.06	472.36	January	43.2	43.7	42.1	January	12.21	12.61	11.22
525.03	547.67	472.63	February	43.0	43.5	41.9	February	12.21	12.59	11.28
525.53	549.41	470.50	March	42.9	43.5	41.6	March	12.25	12.63	11.31
521.37	542.59	473.71	April	42.7	43.2	41.7	April	12.21	12.56	11.36
522.22	543.46	471.86	May	42.7	43.2	41.5	May	12.23	12.58	11.37
527.24	546.05	480.48	June	42.9	43.2	42.0	June	12.29	12.64	11.44
510.72	526.66	472.79	July	42.0	42.2	41.4	July	12.16	12.48	11.42
514.88	530.87	476.74	August	42.1	42.3	41.6	August	12.23	12.55	11.46
528.58	548.66	482.05	September	42.8	43.1	42.1	September	12.35	12.73	11.45
523.18	541.85	481.43	October	42.5	42.8	41.9	October	12.31	12.66	11.49
528.20	549.09	483.84	November	42.7	43.1	42.0	November	12.37	12.74	11.52

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Employment
(thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.4	100.0	133.2	June	163.7	85.4	140.6	June	63.0	72.2	90.0
48.1	97.9	131.2	July	163.5	85.0	133.9	July	62.6	72.0	88.5
48.5	99.2	131.3	August	162.8	85.2	138.6	August	63.9	72.2	89.8
48.2	99.5	133.3	September	162.8	86.0	136.1	September	66.4	72.7	90.4
47.8	97.2	131.7	October	158.8	85.3	132.7	October	64.6	72.8	90.6
48.0	98.8	132.7	November	161.8	85.6	136.2	November	63.8	72.9	90.7

Average Weekly Earnings of Production Workers

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	466.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
472.01	632.19	507.53	June	536.36	460.37	712.80	June	469.79	447.30	462.03
472.01	605.52	499.62	July	521.00	448.34	676.24	July	462.00	449.26	447.72
476.87	612.14	490.69	August	519.78	458.97	688.97	August	468.00	450.45	446.04
471.16	627.64	523.98	September	536.98	462.56	724.36	September	456.12	469.57	453.69
481.60	609.55	509.04	October	535.78	466.21	714.15	October	455.52	469.57	442.68
480.74	613.68	516.01	November	540.82	469.00	728.46	November	467.58	475.10	439.94

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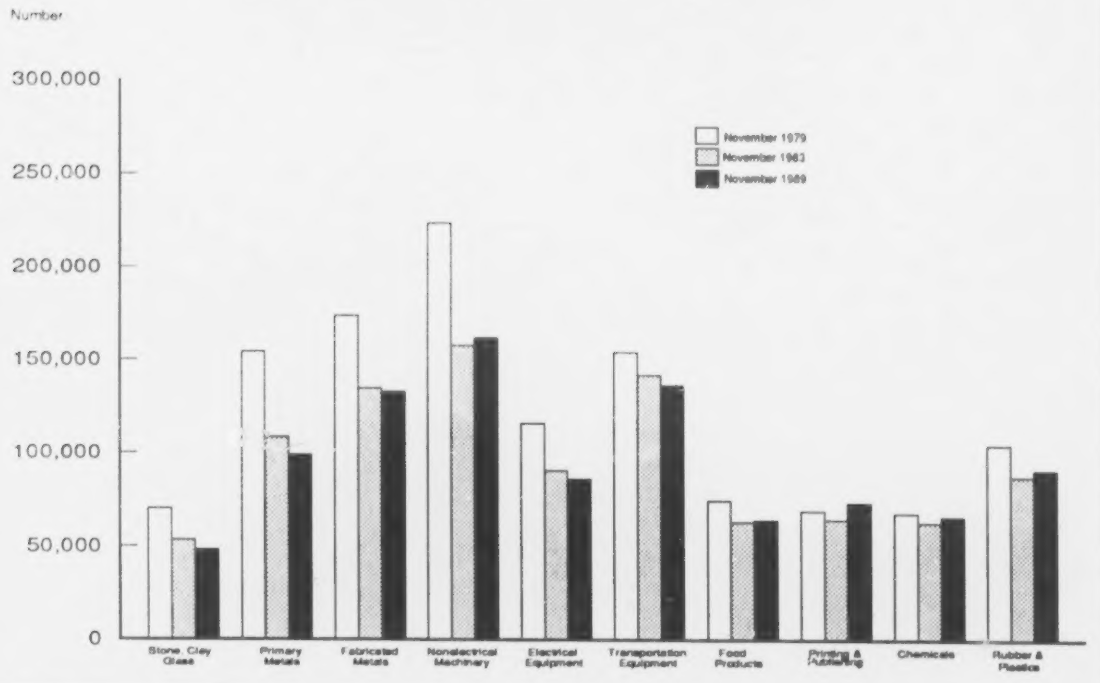
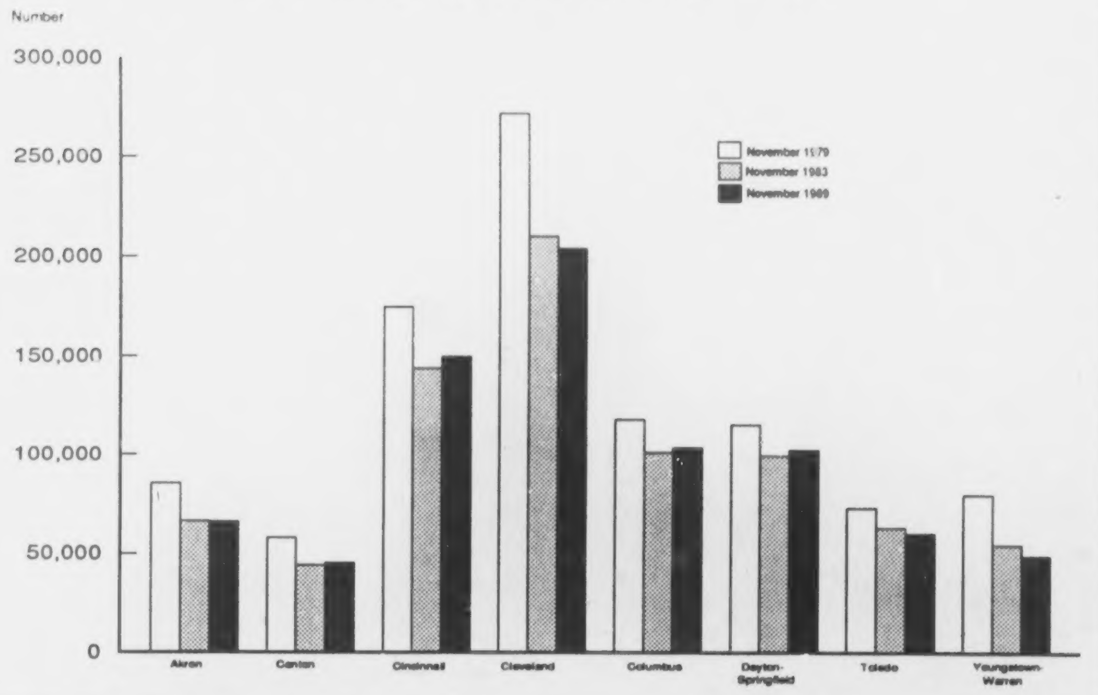
[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Employment in Major Manufacturing Industries



Manufacturing Employment in Metropolitan Areas



Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	4888.3	4869.6	4834.7	18.7	53.7
Manufacturing	1107.3	1098.7	1115.7	8.6	-8.3
Durable Goods[e]	743.4	734.3	753.3	9.1	-9.9
Lumber and wood products	25.0	25.3	23.3	-.3	1.8
Furniture and fixtures	15.0	14.8	15.0	.2	.0
Stone, clay, and glass products	48.0	47.8	48.4	.2	-.4
Glass and glassware, pressed or blown	8.9	8.9	8.8	.1	.1
Primary metal industries	98.8	97.2	101.6	1.6	-2.8
Blast furnace and basic steel products	44.9	43.0[j]	45.9	2.0	-1.0
Iron and steel foundries	19.6	19.8	20.4	-.2	-.7
Nonferrous rolling and drawing	17.2	17.2	18.0	.0	-.8
Fabricated metal products	132.7	131.7	134.4	1.0	-1.7
Cutlery, hand tools, and hardware	9.8	9.6	10.2	.1	-.5
Fabricated structural metal products	28.3	28.2	28.4	.0	-.2
Metal forgings and stampings	40.3	40.0	41.8	.2	-1.6
Machinery, except electrical	161.8	158.8	161.7	3.0	.1
Construction and related machinery	13.8	13.7	13.4	.1	.4
Metalworking machinery	43.0	42.9	42.0	.1	1.0
Special industry machinery	18.0	18.4	18.2	-.4	-.2
General industrial machinery	28.7	25.8[j]	28.7	3.0	.1
Office and computing machines	12.0	12.0	12.6	.0	-.6
Refrigeration and service machinery	15.7	15.7	16.3	-.1	-.6
Electric and electronic equipment	85.6	85.3	86.9	.3	-1.3
Electrical industrial apparatus	17.8	17.7	17.5	.1	.3
Household appliances	15.5	15.4	16.2	.1	-.7
Electric lighting and wiring equipment	17.0	16.8	17.4	.2	-.3
Communication equipment	9.2	9.3	9.3	-.1	-.1
Transportation equipment	136.2	132.7	142.6	3.5	-6.4
Motor vehicles and equipment	91.0	87.5	96.4	3.5	-5.3
Aircraft and parts	36.6	36.6	37.6	.0	-1.0
Instruments and related products	24.8	24.9	24.5	-.1	.4
Measuring and controlling devices	13.2	13.4	13.4	-.2	-.2
Nondurable Goods[f]	363.9	364.4	362.3	-.5	1.6
Food and kindred products	63.8	64.6	63.4	-.8	.4
Meat products	8.8	8.9	8.7	-.1	.1
Dairy products	9.5	9.5	9.6	.0	-.1
Preserved fruits and vegetables	12.4	13.0	12.0	-.6	.4
Bakery products	9.5	9.6	9.4	-.1	.1
Beverages	8.9	8.9	9.1	.0	-.2
Apparel and other textile products	16.1	16.0	15.9	.1	.1
Paper and allied products	37.3	37.1	37.3	.3	.0
Misc. converted paper products	11.9	11.9	12.2	.0	-.3
Paperboard containers and boxes	13.5	13.5	13.1	.1	.4
Printing and publishing	72.9	72.8	72.0	.2	.9
Newspapers	19.0	19.0	19.0	.0	.1
Commercial printing	28.6	28.6	28.3	.0	.3
Chemicals and allied products	65.8	65.9	64.1	-.1	1.6
Industrial inorganic chemicals	8.7	8.7	8.4	.0	.3
Rubber and misc. plastics products	90.7	90.6	91.8	.0	-1.1
Tires and inner tubes	14.3	14.4	14.8	-.1	-.5
Miscellaneous plastics products	56.0	56.0	56.6	.0	-.6

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3781.0	3770.9	3719.0	10.0	62.0
Mining	20.1	20.2	19.7	-.1	.4
Bituminous coal and lignite mining	8.0	8.1	7.9	-.1	.2
Oil and gas extraction	6.8	6.7	6.8	.1	.0
Construction	210.8	218.0	197.4	-7.3	13.4
General building contractors	52.8	53.5	50.1	-.7	2.6
Heavy construction contractors	26.4	29.4	25.4	-3.0	1.0
Highway and street construction	10.2	11.4	9.8	-1.2	.3
Special trade contractors	131.6	135.1	121.9	-3.5	9.7
Transportation and Public Utilities	217.6	217.9	214.7	-.2	2.9
Railroad transportation	12.5	12.9	12.9	-.4	-.5
Transportation, except railroads	118.0	117.7	113.7	.4	4.3
Trucking and warehousing	80.3	79.7	77.7	.6	2.5
Communication, electric, gas services	87.1	87.3	88.1	-.2	-1.0
Communication	45.4	45.5	46.4	-.1	-1.0
Electric, gas, and sanitary services	41.7	41.8	41.7	-.1	.0
Wholesale Trade	266.1	265.6	258.5	.5	7.6
Wholesale trade-durable goods	167.9	167.7	163.6	.2	4.3
Motor vehicles & automotive equipment	23.2	23.2	22.6	-.1	.6
Electrical goods	18.8	18.7	18.5	.1	.4
Machinery, equipment, and supplies	71.5	71.4	69.9	.1	1.6
Wholesale trade-nondurable goods	98.2	97.9	94.8	.2	3.3
Groceries and related products	31.5	31.3	30.5	.2	1.0
Retail Trade	937.4	923.9	906.0	13.5	31.3
General merchandise stores	132.8	125.8	130.3	7.1	2.5
Department stores	113.1	106.9	111.8	6.2	1.3
Food stores	149.3	147.3	144.3	1.9	5.0
Automotive dealers & service stations	100.2	100.8	96.5	-.6	3.7
Apparel and accessory stores	49.8	48.2	47.5	1.6	2.3
Eating and drinking places	307.4	308.9	302.4	-1.5	5.0
Finance, Insurance, and Real Estate	257.2	257.3	252.1	-.1	5.1
Banking	65.0	65.0	64.0	.0	1.0
Credit agencies other than banks	38.5	38.6	38.0	-.1	.5
Insurance carriers	71.3	71.0	70.5	.2	.8
Life insurance	26.3	26.3	26.0	.0	.3
Fire, marine, and casualty insurance	31.8	31.7	31.2	.1	.6
Services	1153.6	1155.2	1102.1	-1.6	51.4
Hotels and other lodging places	37.3	37.7	36.2	-.4	1.1
Personal services	60.1	59.8	57.3	.3	2.8
Laundry, cleaning, & garment services	19.9	19.8	19.3	.1	.6
Business services	247.5	247.6	229.7	-.1	17.7
Services to buildings	34.0	33.9	32.2	.1	1.8
Computer and data processing services	24.6	24.4	22.3	.2	[illegible]
Amusement and recreation services	35.7	38.5	34.1	-2.8	[illegible]
Health services	386.9	386.1	374.5	.8	[illegible]
Nursing and personal care facilities	85.1	84.9	82.6	.3	2.5
Hospitals	187.5	187.3	183.1	.2	4.4
Educational services	69.9	68.4	68.2	1.5	1.7
Colleges and universities	39.7	38.6	38.9	1.2	.8
Government	718.2	712.8	768.5	5.4	-50.3
Federal government	95.0	95.6	94.7	-.6	.3
State government	166.8	165.2	164.3	1.6	2.5
State government education[f]	92.4	90.7	91.1	1.7	1.3
State government, except education	74.4	74.5	73.2	-.1	1.2
Local government	456.4	452.0	509.5	4.5	-53.1
Local government education	269.9	265.3	265.3	4.6	4.6
Local government, except education	186.5	186.6	244.2	-.1	-57.7

See footnotes on page 13.

Ohio

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$528.20	$523.18	$531.83	42.7	42.5	43.7	$12.37	$12.31	$12.17
Durable Goods[e]	549.09	541.85	557.80	43.1	42.8	44.2	12.74	12.66	12.62
Lumber and wood products	332.48	333.26	338.30	40.3	40.2	42.5	8.25	8.29	7.96
Furniture and fixtures	387.69	390.52	381.14	41.2	41.5	41.7	9.41	9.41	9.14
Stone, clay, and glass products	480.74	481.60	473.90	43.0	43.0	43.2	11.18	11.20	10.97
Glass and glassware, pressed or blown	511.12	511.70	492.26	42.7	42.5	42.4	11.97	12.04	11.61
Primary metal industries	613.68	609.55	639.77	43.4	43.2	45.6	14.14	14.11	14.03
Blast furnace and basic steel products	612.47	612.18	637.06	42.8	42.9	44.8	14.31	14.27	14.22
Iron and steel foundries	628.72	633.91	696.26	43.3	43.3	47.3	14.52	14.64	14.72
Nonferrous rolling and drawing	692.19	675.75	671.64	43.1	42.5	44.1	16.06	15.90	15.23
Fabricated metal products	516.01	509.04	531.29	42.4	42.0	43.8	12.17	12.12	12.13
Cutlery, hand tools, and hardware	514.96	507.91	517.08	41.0	40.6	41.7	12.56	12.51	12.40
Fabricated structural metal products	466.47	464.70	460.82	42.6	42.4	42.2	10.95	10.96	10.92
Metal forgings and stampings	640.47	623.93	661.83	43.1	42.3	45.3	14.86	14.75	14.61
Machinery, except electrical	540.82	535.78	545.13	43.3	43.0	44.5	12.49	12.46	12.25
Construction and related machinery	465.37	448.74	452.34	41.7	40.5	42.0	11.16	11.08	10.77
Metalworking machinery	529.55	517.85	525.22	44.5	43.7	45.2	11.90	11.85	11.62
Special industry machinery	534.28	537.28	524.87	45.9	46.0	45.8	11.64	11.68	11.46
General industrial machinery	570.41	582.82	561.11	42.6	43.3	43.7	13.39	13.46	12.84
Office and computing machines	471.24	471.80	448.26	42.0	42.2	41.2	11.22	11.18	10.88
Refrigeration and service machinery	566.54	552.98	628.70	40.7	40.1	44.4	13.92	13.79	14.16
Electric and electronic equipment	469.00	466.21	477.99	41.8	41.7	42.3	11.22	11.18	11.30
Electrical industrial apparatus	499.52	488.63	487.52	44.8	44.1	44.0	11.15	11.08	11.08
Household appliances	466.05	484.00	503.40	39.0	40.3	41.5	11.95	12.01	12.13
Electric lighting and wiring equipment	472.18	467.43	489.20	40.6	40.4	42.1	11.63	11.57	11.62
Communication equipment	580.40	558.21	459.80	46.1	44.8	39.4	12.59	12.46	11.67
Transportation equipment	728.46	714.15	717.02	45.7	45.0	46.2	15.94	15.87	15.52
Motor vehicles and equipment	749.55	741.65	754.15	45.9	45.5	46.9	16.33	16.30	16.08
Aircraft and parts	710.31	675.60	627.59	46.7	45.1	44.7	15.21	14.98	14.04
Instruments and related products	388.01	380.84	377.29	40.8	40.3	40.7	9.51	9.45	9.27
Measuring and controlling devices	375.39	371.53	369.47	38.7	38.5	39.6	9.70	9.65	9.33
Nondurable Goods[f]	483.84	481.43	472.43	42.0	41.9	42.6	11.52	11.49	11.09
Food and kindred products	467.58	455.52	452.83	42.2	41.6	42.4	11.08	10.95	10.68
Meat products	376.80	371.29	363.08	42.1	41.3	41.4	8.95	8.99	8.77
Dairy products	482.98	458.39	477.40	43.2	41.9	44.0	11.18	10.94	10.85
Preserved fruits and vegetables	481.07	481.62	478.70	41.4	42.1	42.4	11.62	11.44	11.29
Bakery products	496.07	478.71	483.55	40.2	39.4	40.6	12.34	12.15	11.91
Beverages	446.13	426.92	420.80	41.5	40.2	40.5	10.75	10.62	10.39
Apparel and other textile products	308.10	291.02	314.57	39.5	38.7	41.5	7.80	7.52	7.58
Paper and allied products	501.84	501.24	499.26	43.6	43.7	44.3	11.51	11.47	11.27
Misc. converted paper products	464.02	456.13	434.93	43.9	43.4	43.8	10.57	10.51	9.93
Paperboard containers and boxes	432.13	438.10	443.27	42.2	42.7	43.5	10.24	10.26	10.19
Printing and publishing	475.10	469.57	449.80	40.4	40.1	39.7	11.76	11.71	11.33
Newspapers	404.00	390.68	388.26	35.1	34.3	35.2	11.51	11.39	11.03
Commercial printing	474.01	478.41	450.58	41.8	42.3	41.3	11.34	11.31	10.91
Chemicals and allied products	590.01	592.68	567.14	42.6	42.7	42.9	13.85	13.88	13.22
Industrial inorganic chemicals	632.42	619.44	611.07	45.4	44.5	44.8	13.93	13.92	13.64
Rubber and misc. plastics products	439.94	442.68	459.46	41.7	42.0	43.8	10.55	10.54	10.49
Tires and inner tubes	694.40	683.11	666.47	44.8	44.1	45.4	15.50	15.49	14.68
Miscellaneous plastics products	416.97	418.78	442.98	41.0	41.3	43.6	10.17	10.14	10.16

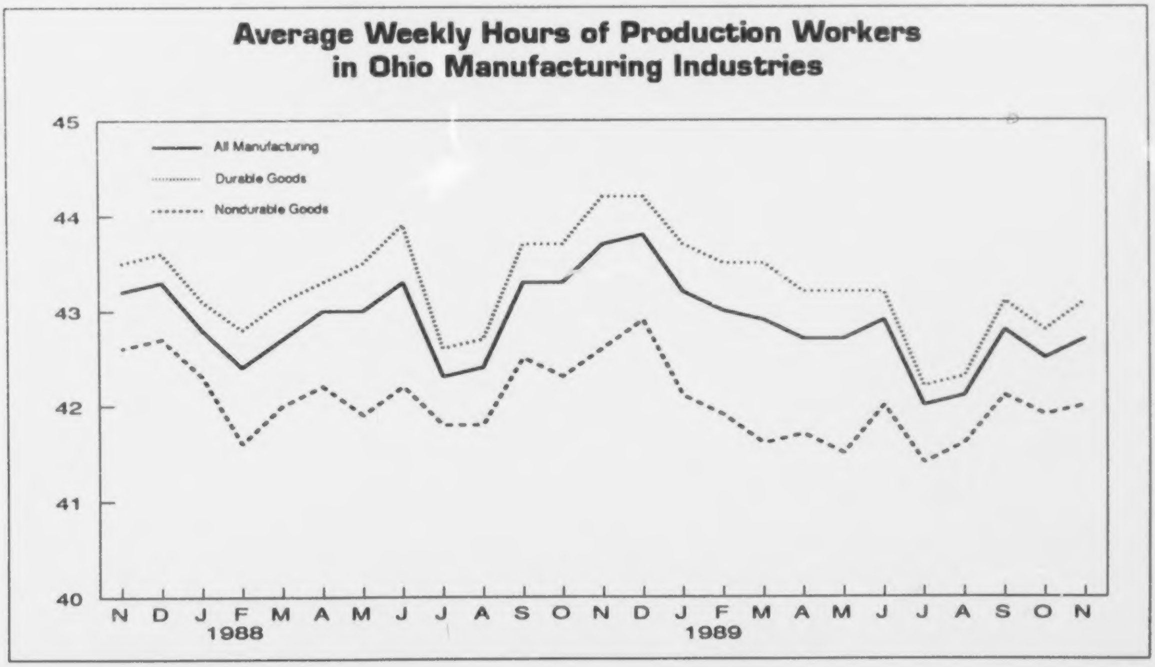
See footnotes on page 13.

Ohio (continued)

Hours and Earnings of Production or Nonsupervisory Workers[a]

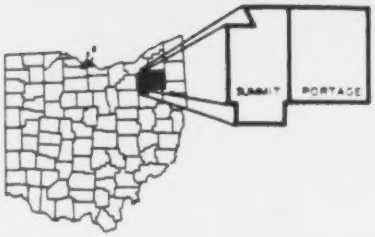
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Mining	$607.45	$614.27	$552.11	44.6	45.3	43.1	$13.62	$13.56	$12.81
Bituminous coal and lignite mining	741.58	756.57	656.26	44.3	44.9	41.3	16.74	16.85	15.89
Construction	601.40	629.08	604.09	38.8	40.3	39.9	15.50	15.61	15.14
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	601.29	603.17	577.10	41.1	41.2	40.9	14.63	14.64	14.11
Communication	569.44	571.05	556.54	40.3	40.3	40.3	14.13	14.17	13.81
Electric, gas, and sanitary services	638.66	640.85	602.98	42.1	42.3	41.7	15.17	15.15	14.46
Wholesale Trade	408.33	407.03	397.26	39.3	39.1	39.1	10.39	10.41	10.16
Wholesale trade-durable goods	397.26	399.60	389.83	39.1	39.1	39.1	10.16	10.22	9.97
Wholesale trade-nondurable goods	427.97	419.93	410.42	39.7	39.1	39.2	10.78	10.74	10.47
Retail Trade[h]	175.69	174.28	168.15	28.2	28.2	28.5	6.23	6.18	5.90
General merchandise stores	183.97	184.97	179.27	28.7	28.5	28.5	6.41	6.49	6.29
Department stores	187.78	189.79	183.61	28.8	28.8	28.6	6.52	6.59	6.42
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	271.45	271.36	265.30	....	....	....	.....	.....	.....
Credit agencies other than banks	282.89	283.47	272.27	....	....	....	.....	.....	.....
Insurance carriers	397.41	395.32	377.53	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	361.40	357.56	341.88	32.5	32.3	33.0	11.12	11.07	10.36

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.



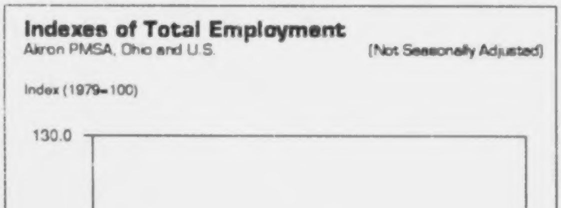
AKRON

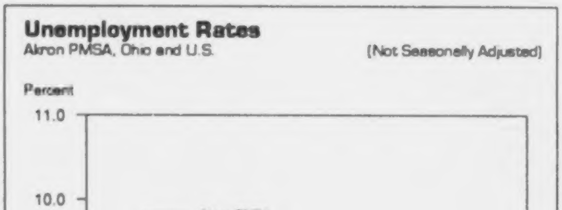
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Akron metropolitan area totaled 288,100 in November 1989, up 800 from October. Seasonal hirings in retail trade more than offset a decline in construction. Manufacturing employment increased 100 during the month to 66,000. Marginal growth occurred in fabricated metal products and nonelectrical machinery. Factory production workers averaged $11.73 per hour, $.15 higher than October. Their average workweek was .6 hours longer at 42.7 hours.

Total nonfarm wage and salary employment advanced 6,400 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector with significant growth in services, especially business services, and in retail trade. A reduction in durable-goods employment, particularly nonelectrical machinery, and in rubber and miscellaneous plastics products lowered the manufacturing workforce 1,000 over the year.





Akron PMSA Labor Force and Employment Data

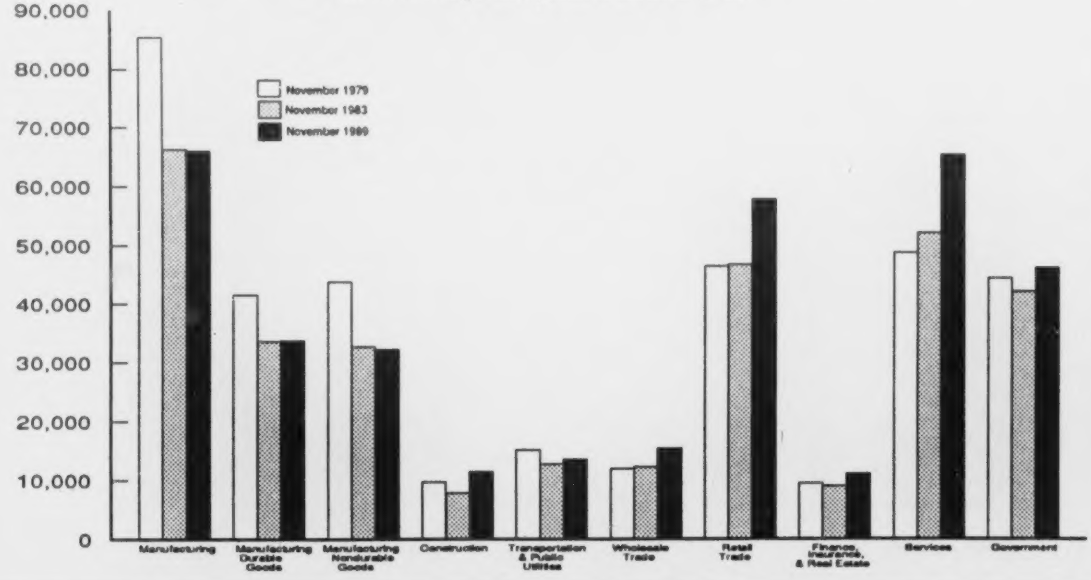
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	**1978**	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	**1979**	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	**1980**	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	**1981**	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	**1982**	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	**1983**	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	**1984**	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	**1985**	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	**1986**	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	**1987**	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	**1988**	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
328.7	312.2	16.5	5.0	**October**	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	**November**	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	**December**	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	**January**	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	**February**	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	**March**	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	**April**	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	**May**	283.1	66.0	38.8	488.62	42.6	11.47
335.7	317.0	18.7	5.6	**June**	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	**July**	278.6	66.3	38.8	471.92	41.8	11.29
335.6	320.6	15.0	4.5	**August**	278.9	66.0	38.6	480.95	42.3	11.37
336.5	321.1	15.4	4.6	**September**	286.8	66.0	38.8	503.10	43.0	11.70
338.5	321.1	17.3	5.1	**October**	287.3	65.9	38.7	487.52	42.1	11.58
INA	INA	INA	INA	**November**	288.1	66.0	38.8	500.87	42.7	11.73

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Akron Primary Metropolitan Statistical Area



Akron PMSA

Nonagricultural Wage and Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	288.1	287.3	281.7	.8	6.4
Manufacturing	66.0	65.9	67.0	.1	-1.0
Durable Goods[e]	33.8	33.6	34.7	.2	-.9
Fabricated metal products	11.1	11.0	11.1	.1	.0
Machinery, except electrical	9.7	9.6	9.8	.1	-.2
Metalworking machinery	3.5	3.5	3.4	.0	.1
Nondurable Goods[f]	32.2	32.3	32.3	-.1	-.1
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.5	3.4	3.5	.0	-.1
Rubber and misc. plastics products	19.3	19.3	19.5	.0	-.2
Tires and inner tubes	9.9	10.0	10.4	-.1	-.5
Nonmanufacturing[g]	222.2	221.4	214.7	.7	7.4
Construction	11.3	11.8	10.6	-.5	.8
Transportation and Public Utilities	13.6	13.5	13.2	.1	.4
Communication, electric, gas services	4.7	4.7	4.9	.0	-.2
Wholesale Trade	15.4	15.3	14.9	.1	.6
Retail Trade	58.0	57.0	55.4	.9	2.6
General merchandise stores	7.4	6.9	7.4	.6	.1
Finance, Insurance, and Real Estate	11.0	11.0	10.7	.0	.4
Banking	3.2	3.2	3.0	.0	.2
Services	65.6	65.8	61.7	-.2	4.0
Business services	15.0	15.2	13.4	-.2	1.6
Amusement and recreation services	3.2	3.3	2.7	-.2	.5
Health services	20.9	20.8	20.3	.1	.6
Government	46.4	46.1	47.7	.3	-1.3
State government	17.5	17.4	17.1	.1	.4
State government education[i]	14.7	14.6	14.2	.1	.5
State government, except education	2.8	2.8	2.9	.0	-.1
Local government	26.4	26.2	28.2	.2	-1.7
Local government education	15.0	14.9	14.9	.2	.1
Local government, except education	11.4	11.3	13.2	.0	-1.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$500.87	$487.52	$496.78	42.7	42.1	42.9	$11.73	$11.58	$11.58
Durable Goods[e]	524.02	504.64	509.65	43.2	42.3	42.9	12.13	11.93	11.88
Fabricated metal products	663.88	632.61	629.26	44.2	42.6	43.1	15.02	14.85	14.60
Machinery, except electrical	476.60	467.64	463.65	44.5	44.2	45.5	10.71	10.58	10.19
Metalworking machinery	510.76	510.31	493.88	45.2	45.2	45.9	11.30	11.29	10.76
Nondurable Goods[f]	470.68	465.09	479.45	42.1	41.9	43.0	11.18	11.10	11.15
Food and kindred products	420.23	395.32	447.52	43.1	41.7	42.1	9.75	9.48	10.63
Chemicals and allied products	536.79	535.99	522.52	43.5	43.4	42.9	12.34	12.35	12.18
Rubber and misc. plastics products	477.85	476.15	493.00	42.4	42.4	43.9	11.27	11.23	11.23
Tires and inner tubes	784.70	773.38	764.01	47.5	47.1	47.9	16.52	16.42	15.95
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	603.99	611.30	588.47	41.2	41.5	41.5	14.66	14.73	14.18
Wholesale Trade	357.19	354.16	350.49	36.9	36.7	36.7	9.68	9.65	9.55
Retail Trade[h]	206.72	207.34	200.61	30.9	30.9	32.2	6.69	6.71	6.23

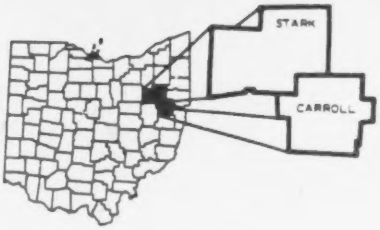
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	1,838	1,994	1,997
Active File of Job Seekers	9,639	9,297	15,441
Referrals to Jobs	735	818	928
Placements	166	198	180
Job Openings Received	307	397	443
Job Openings Unfilled	979	1,225	960
Unemployment Insurance Program			
Initial Claims	3,059	2,464	3,414
Continued Claims	18,647	16,102	19,877
First Payments	1,176	994	1,359
Last Payments	290	258	273
Weeks Compensated	15,304	12,096	13,815
Benefits Paid	$2,414,304	$1,841,811	$2,028,225
Average Weekly Payment	$165.78	$160.41	$152.18

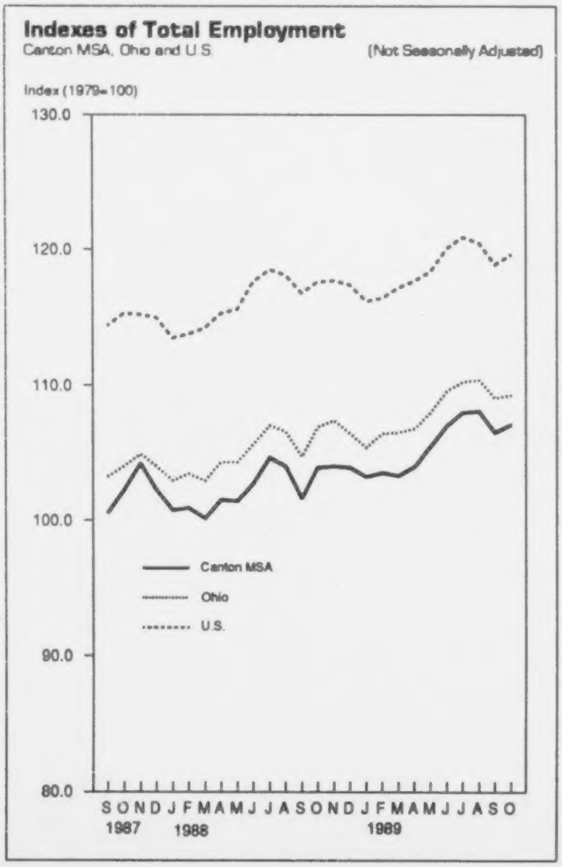
CANTON
METROPOLITAN
STATISTICAL
AREA

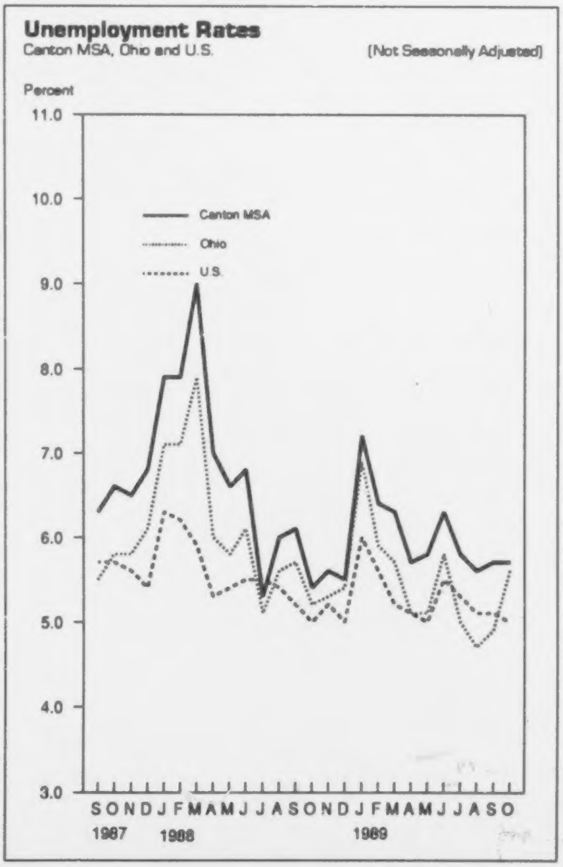


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

Nonfarm payroll employment in the Canton metropolitan area totaled 167,700 in November 1989, increasing 4,700 from October. The settlement of a labor-management dispute in durable-goods industries raised manufacturing employment 4,600 to 45,400. The nonmanufacturing workforce added 100 jobs as more business in retail trade outweighed a seasonal decline in construction. Factory production workers averaged $11.79 per hour, up $.33 from October. Their average workweek of 41.7 hours was .1 hours longer.

Nonagricultural wage and salary employment advanced 4,000 between November 1988 and November 1989. Noteworthy growth occurred in services (+2,200) and retail trade (+1,700). The manufacturing employment level was unchanged from a year ago. Scattered increases among producers of durable and nondurable goods offset reductions in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products.



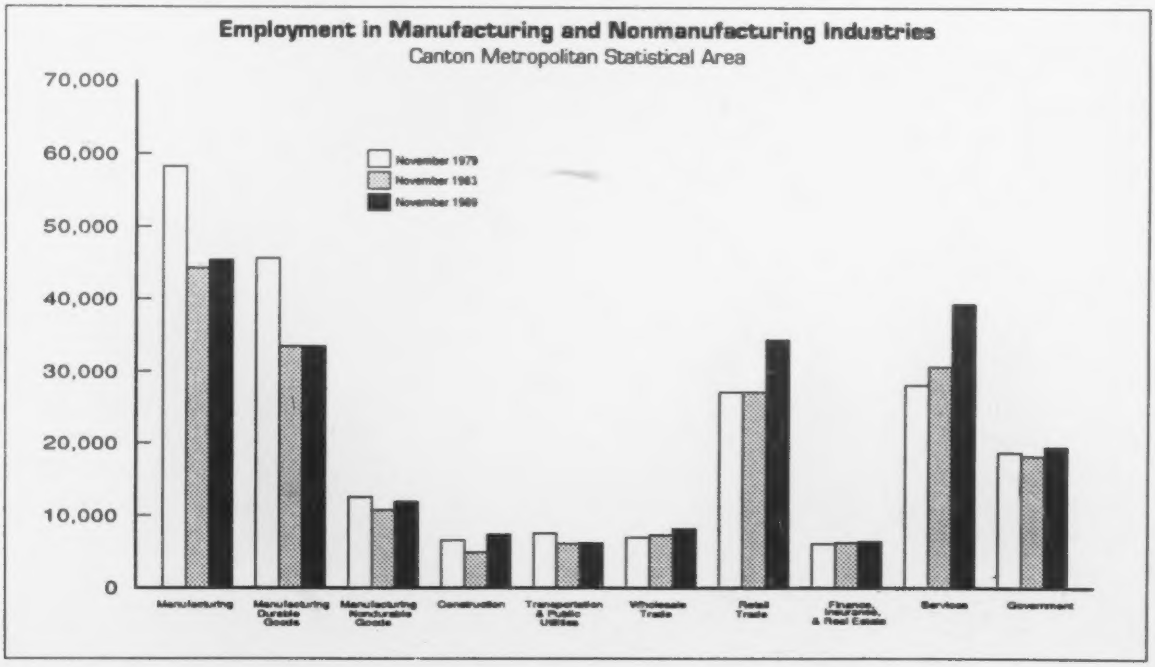


Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	July	165.2	45.4	32.5	482.10	41.1	11.73
198.7	187.7	11.0	5.6	August	165.1	45.5	32.7	496.44	42.0	11.82
196.1	185.0	11.1	5.7	September	166.5	45.6	32.7	495.26	41.9	11.82
197.2	186.0	11.2	5.7	October	163.0	40.8	27.7	476.74	41.6	11.46
INA	INA	INA	INA	November	167.7	45.4	32.3	491.64	41.7	11.79

INA – information not available


Employment in Manufacturing and Nonmanufacturing Industries
Canton Metropolitan Statistical Area

Canton MSA

Nonagricultural Wage and Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	167.7	163.0	163.6	4.7	4.0
Manufacturing	45.4	40.8	45.4	4.6	.0
Durable Goods[e]	33.5	28.9[j]	33.5	4.5	.0
Primary metal industries	11.2	9.1[j]	11.3	2.2	-.1
Fabricated metal products	6.4	6.5	6.6	-.1	-.3
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.9	11.9	11.9	.1	.0
Food and kindred products	3.4	3.5	3.3	.0	.2
Rubber and misc. plastics products	3.0	3.0	3.1	.0	-.1
Nonmanufacturing[g]	122.3	122.2	118.2	.1	4.1
Construction	7.3	7.6	6.6	-.3	.7
Transportation and Public Utilities	6.2	6.2	6.0	.0	.2
Communication, electric, gas services	2.7	2.7	2.8	.0	.0
Wholesale Trade	8.1	8.2	8.1	.0	.0
Wholesale trade-durable goods	4.4	4.4	4.5	.0	-.1
Retail Trade	34.4	34.0	32.7	.4	1.7
General merchandise stores	4.5	4.2	4.4	.3	.1
Food stores	5.8	5.8	5.6	.0	.2
Finance, Insurance, and Real Estate	6.4	6.4	6.3	.0	.1
Banking	1.9	1.8	1.8	.0	.1
Services	39.3	39.5	37.2	-.1	2.2
Health services	15.6	15.6	15.4	.0	.2
Government	19.5	19.3	20.4	.1	-1.0
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	16.5	16.4	17.3	.1	-.7
Local government education	10.2	10.0	9.9	.2	.2
Local government, except education	6.4	6.4	7.4	-.1	-1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$491.64	$476.74	$490.78	41.7	41.6	42.9	$11.79	$11.46	$11.44
Durable Goods[e]	522.33	508.22	523.41	42.5	42.6	43.8	12.29	11.93	11.95
Primary metal industries	579.31	558.54	580.37	43.2	42.8	45.2	13.41	13.05	12.84
Fabricated metal products	493.20	543.29	486.92	41.1	44.9	42.6	12.00	12.10	11.43
Metal forgings and stampings	549.99	567.31	564.98	40.5	41.5	41.3	13.58	13.67	13.68
Nondurable Goods[f]	400.30	398.04	393.16	39.4	39.1	40.2	10.16	10.18	9.78
Food and kindred products	412.03	412.18	394.75	38.4	38.2	38.4	10.73	10.79	10.28
Rubber and misc. plastics products	400.61	389.76	398.96	41.6	40.6	41.3	9.63	9.60	9.66
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	586.44	592.59	568.17	40.5	40.7	40.7	14.48	14.56	13.96
Wholesale Trade	376.15	376.43	386.43	38.5	38.1	37.3	9.77	9.88	10.36
Retail Trade[h]	169.52	168.10	161.53	28.3	28.3	29.0	5.99	5.94	5.57

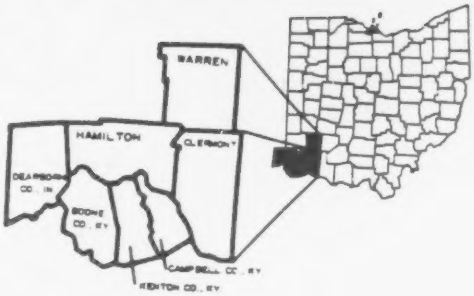
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

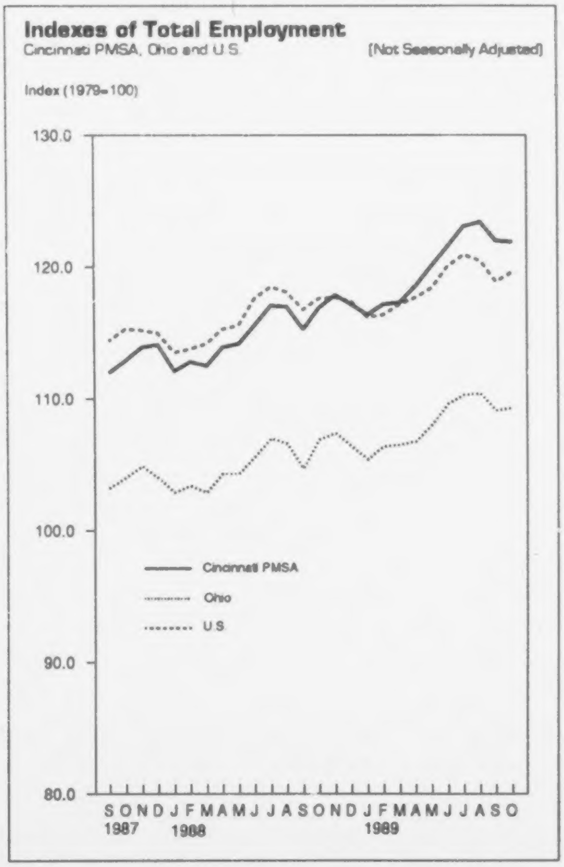
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	962	1,202	1,604
Active File of Job Seekers	7,457	7,433	12,182
Referrals to Jobs	440	738	823
Placements	146	60	271
Job Openings Received	138	316	581
Job Openings Unfilled	256	484	1,955
Unemployment Insurance Program			
Initial Claims	4,069	2,638	1,780
Continued Claims	14,163	11,990	10,741
First Payments	978	602	756
Last Payments	197	170	154
Weeks Compensated	11,235	8,178	7,739
Benefits Paid	$1,799,668	$1,243,369	$1,074,472
Average Weekly Payment	$174.65	$165.39	$143.34

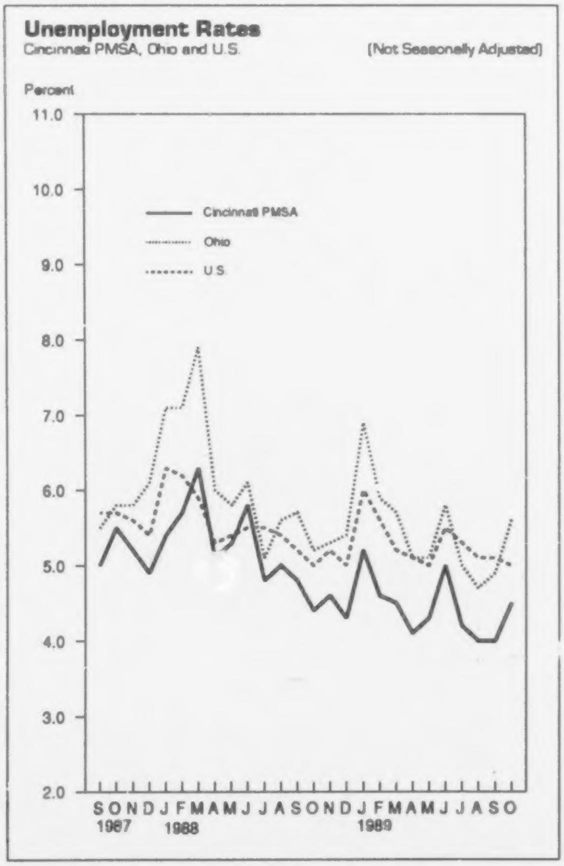
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



In the Cincinnati metropolitan area, total nonfarm payroll employment rose 4,100 above the October level to 749,700 in November 1989. More business in retail trade and services overshadowed seasonal layoffs in construction. Manufacturing employment totaled 149,900, increasing 400 over the month. Recalls in transportation equipment and marginal improvements in fabricated metal products and printing and publishing outweighed a decline in apparel and other textile products. Factory production workers averaged $11.67 per hour, up $.06 from October. Their average workweek was .2 hours longer at 43.5 hours.

Nonagricultural wage and salary employment advanced 29,200 between November 1988 and November 1989. A major portion of the growth occurred in services (+13,500) and retail trade (+7,400). Significant expansion was also noted in construction, transportation and public utilities, wholesale trade, and finance, insurance, and real estate. The manufacturing workforce added 3,600 jobs during the period with moderate gains in chemicals and allied products, nonelectrical machinery, electric and electronic equipment, and food and kindred products.


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]

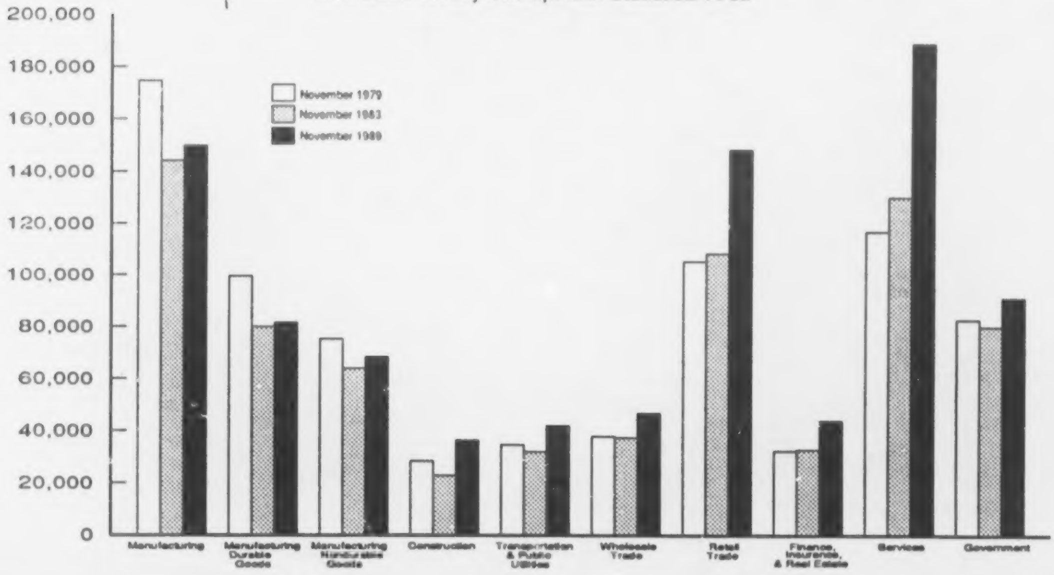

Unemployment Rates
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	**1978**	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	**1979**	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	**1980**	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	**1981**	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	**1982**	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	**1983**	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	**1984**	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	**1985**	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	**1986**	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	**1987**	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	**1988**	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
768.5	734.3	34.2	4.4	**October**	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	**November**	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	**December**	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	**January**	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	**February**	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	**March**	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	**April**	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	**May**	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	**June**	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	**July**	733.8	147.5	92.7	481.08	42.2	11.40
806.8	774.8	32.0	4.0	**August**	736.7	148.5	93.5	500.69	43.2	11.59
798.3	766.2	32.0	4.0	**September**	744.5	149.6	94.5	501.85	43.3	11.59
801.6	765.5	36.1	4.5	**October**	745.6	149.5	94.7	502.71	43.3	11.61
INA	INA	INA	INA	**November**	749.7	149.9	94.8	507.65	43.5	11.67

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Cincinnati Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	749.7	745.6	720.5	4.1	29.2
Manufacturing	149.9	149.5	146.3	.4	3.6
Durable Goods[e]	81.6	81.1	79.4	.5	2.2
Fabricated metal products	10.9	10.8	10.9	.2	.1
Fabricated structural metal products	3.8	3.8	3.9	.0	-.1
Machinery, except electrical	21.7	21.6	21.1	.1	.6
Metalworking machinery	8.7	8.7	8.8	.1	.0
General industrial machinery	3.1	3.0	3.1	.0	.0
Electric and electronic equipment	9.3	9.3	8.7	.0	.6
Transportation equipment	24.3	24.0	24.1	.3	.2
Motor vehicles and equipment	5.0	4.7	5.1	.2	-.2
Nondurable Goods[f]	68.4	68.4	67.0	-.1	1.4
Food and kindred products	13.5	13.5	13.1	.0	.4
Beverages	3.5	3.4	3.6	.1	-.2
Apparel and other textile products	3.7	3.8	3.6	-.2	.1
Paper and allied products	6.4	6.3	6.1	.1	.2
Printing and publishing	13.8	13.7	13.6	.2	.2
Commercial printing	6.4	6.4	6.2	.0	.2
Chemicals and allied products	22.8	22.8	22.1[j]	.0	.7
Rubber and misc. plastics products	6.2	6.3	6.2	-.1	.0
Nonmanufacturing[g]	599.8	596.2	574.2	3.6	25.6
Construction	36.6	37.5	33.8	-.9	2.8
Transportation and Public Utilities	42.0	42.0	39.4	.0	2.6
Trucking and warehousing	12.2	12.1	11.3	.1	.9
Communication, electric, gas services	16.1	16.1	15.4	.0	.8
Wholesale Trade	46.9	46.7	45.2	.2	1.7
Wholesale trade-durable goods	27.4	27.2	26.7	.1	.7
Retail Trade	148.8	146.5	141.3	2.2	7.4
General merchandise stores	22.3	21.0	21.8	1.3	.5
Finance, Insurance, and Real Estate	44.0	44.1	42.9	-.1	1.1
Banking	9.5	9.5	9.2	.0	.3
Insurance carriers	14.5	14.5	14.5	.0	.0
Services	189.5	188.2	176.0	1.4	13.5
Hotels and other lodging places	7.8	7.8	7.3	.0	.5
Personal services	9.8	9.7	9.0	.1	.8
Business services	48.6	48.6	44.6	.0	4.0
Amusement and recreation services	10.0	8.9	6.0	1.1	4.0
Health services	55.9	55.9	54.4	.0	1.5
Hospitals	26.6	26.6	26.0	.1	.6
Government	91.5	90.7	95.1	.8	-3.6
Federal government	15.2	15.2	15.3	.0	-.1
State government	21.5	21.2	20.8	.3	.8
State government education[i]	13.3	13.1	12.9	.2	.4
State government, except education	8.2	8.2	7.8	.0	.4
Local government	54.8	54.3	59.0	.5	-4.3
Local government education	31.2	30.7	31.0	.5	.2
Local government, except education	23.6	23.6	28.1	.0	-4.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$507.65	$502.71	$487.46	43.5	43.3	43.1	$11.67	$11.61	$11.31
Durable Goods[e]	509.80	495.73	493.81	44.1	43.6	43.7	11.56	11.37	11.30
Fabricated metal products	429.54	425.27	449.12	43.3	43.0	44.6	9.92	9.89	10.07
Fabricated structural metal products	483.51	486.07	494.93	45.4	45.3	45.7	10.65	10.73	10.83
Machinery, except electrical	443.28	441.41	444.87	42.5	42.2	42.9	10.43	10.46	10.37
Metalworking machinery	494.49	490.78	487.82	43.3	42.9	43.4	11.42	11.44	11.24
General industrial machinery	422.09	418.54	430.40	40.9	40.4	43.3	10.32	10.36	9.94
Electric and electronic equipment	378.07	366.95	362.71	41.5	41.0	40.8	9.11	8.95	8.89
Transportation equipment	840.79	787.04	746.70	49.4	47.1	47.2	17.02	16.71	15.82
Motor vehicles and equipment	936.96	867.60	879.43	51.2	48.2	50.6	18.30	18.00	17.38
Nondurable Goods[f]	504.93	510.74	481.81	42.9	43.1	42.6	11.77	11.85	11.31
Food and kindred products	523.48	516.98	514.92	44.4	44.3	43.6	11.79	11.67	11.81
Beverages	557.63	554.17	500.53	42.6	42.4	40.3	13.09	13.07	12.42
Apparel and other textile products	251.94	250.49	241.40	39.0	39.2	39.9	6.46	6.39	6.05
Paper and allied products	481.13	471.31	446.59	44.1	43.2	43.4	10.91	10.91	10.29
Printing and publishing	506.09	489.22	441.34	42.6	41.6	39.3	11.88	11.76	11.23
Commercial printing	529.96	529.69	464.09	44.2	44.4	41.4	11.99	11.93	11.21
Chemicals and allied products	593.53	630.73	577.58	42.7	44.2	43.2	13.90	14.27	13.37
Rubber and misc. plastics products	414.12	409.26	439.89	43.5	43.4	46.5	9.52	9.43	9.46
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	583.20	593.73	575.28	40.0	40.5	40.8	14.58	14.66	14.10
Wholesale Trade	424.91	423.71	419.83	40.2	40.2	41.2	10.57	10.54	10.19
Retail Trade[h]	173.38	172.74	167.90	28.8	28.6	28.8	6.02	6.04	5.83
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	270.73	268.32	262.11	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

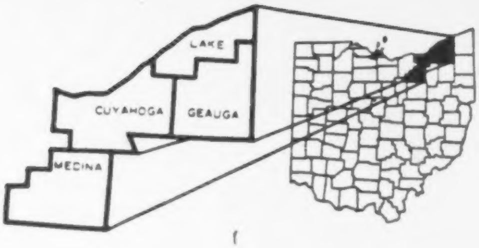
Selected Administrative Program Activities[a]

Cincinnati PMSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	2,553	3,032	2,854
Active File of Job Seekers	13,078	13,076	20,117
Referrals to Jobs	1,621	2,367	1,758
Placements	233	309	377
Job Openings Received	936	772	1,000
Job Openings Unfilled	2,092	1,849	2,794
Unemployment Insurance Program			
Initial Claims	4,156	4,236	3,860
Continued Claims	27,058	27,412	29,853
First Payments	1,608	2,153	2,022
Last Payments	487	429	540
Weeks Compensated	23,033	21,401	20,724
Benefits Paid	$3,594,330	$3,368,929	$3,071,802
Average Weekly Payment	$164.11	$161.02	$151.31

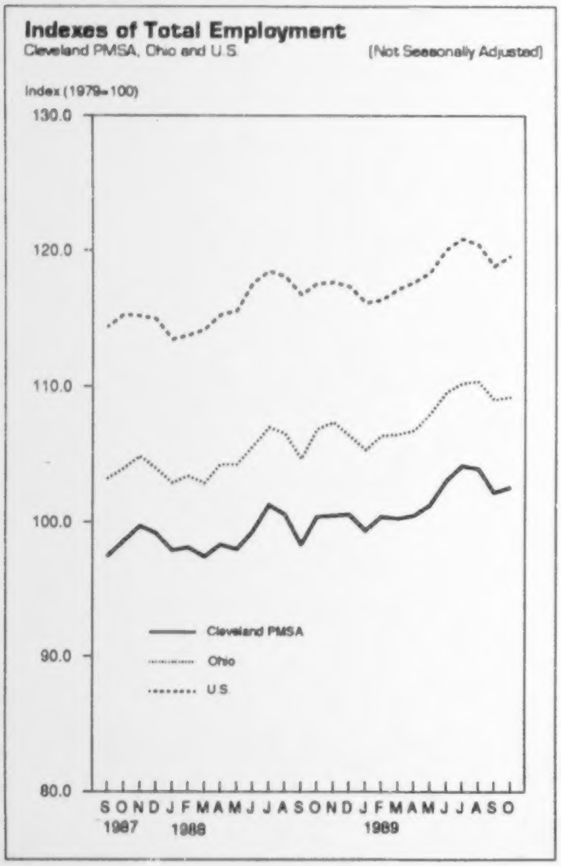
[a] Ohio data only

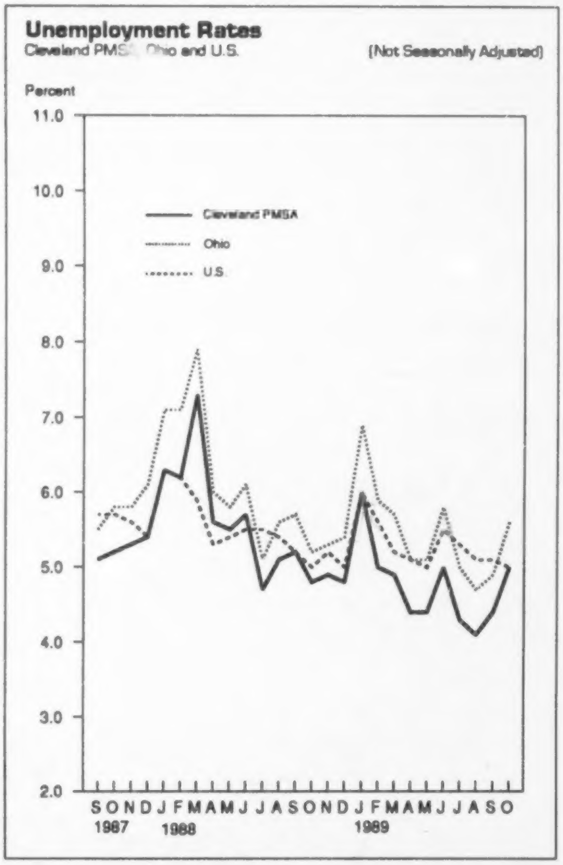
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cleveland metropolitan area increased 2,400 from the October level to 941,500 in November 1989. Seasonal hirings in retail trade, especially general merchandise stores, and the continued return of nonteaching personnel in local schools overshadowed seasonal declines in services and construction. Manufacturing employment rose 200 over the month to 204,500. Modest gains in fabricated metal products and electric and electronic equipment more than offset reductions in primary metal industries and nonelectrical machinery. Factory production workers averaged $12.03 per hour, up fractionally from October. Their average workweek of 43.1 hours was .4 hours longer.

Nonfarm wage and salary employment advanced 15,200 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services (+10,800) and retail trade (+4,500). Significant expansion also occurred in finance, insurance, and real estate, wholesale trade, and construction. The manufacturing employment level was unchanged from a year ago. Reductions in transportation equipment and apparel and other textile products negated gains in chemicals and allied products, nonelectrical machinery, and printing and publishing.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)

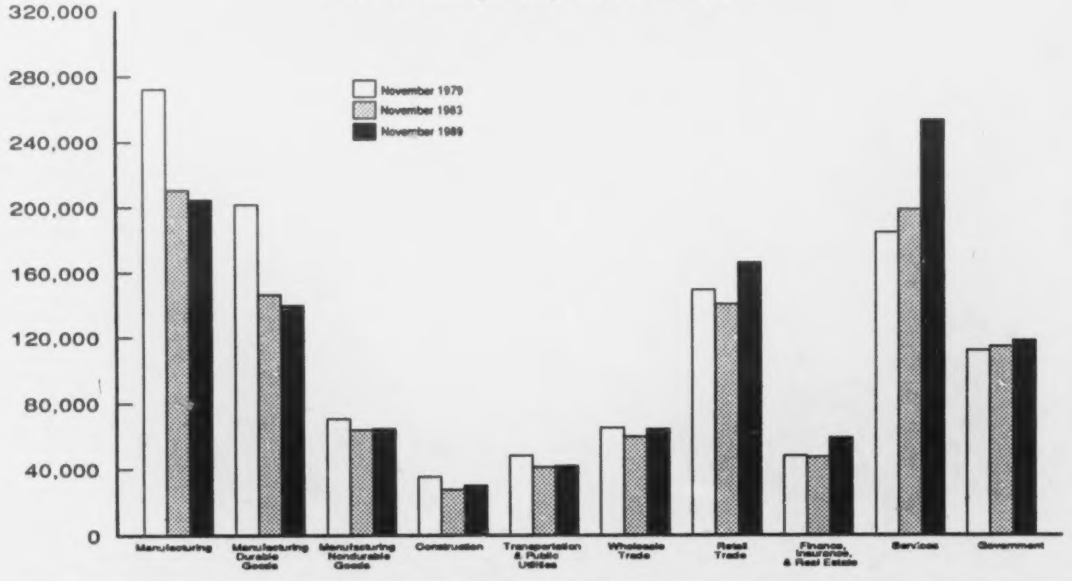

Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	**1978**	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	**1979**	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	**1980**	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	**1981**	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	**1982**	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	**1983**	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	**1984**	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	**1985**	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	**1986**	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	**1987**	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	**1988**	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
937.2	892.3	45.0	4.8	**October**	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	**November**	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	**December**	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	**January**	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	**February**	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	**March**	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	**April**	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	**May**	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	**June**	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	**July**	933.6	202.7	129.6	491.99	41.8	11.77
964.5	924.6	39.9	4.1	**August**	931.6	203.5	130.1	500.91	42.2	11.87
950.6	908.9	41.7	4.4	**September**	935.7	204.4	131.3	521.42	43.2	12.07
960.1	912.0	48.1	5.0	**October**	939.1	204.3	131.5	512.83	42.7	12.01
INA	INA	INA	INA	**November**	941.5	204.5	131.7	518.49	43.1	12.03

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	941.5	939.1	926.2	2.4	15.2
Manufacturing	204.5	204.3	204.5	.2	.0
Durable Goods[e]	139.8	139.7	140.4	.1	-.6
Primary metal industries	21.5	21.7	21.7	-.2	-.2
Iron and steel foundries	4.4	4.4	4.7	.0	-.3
Fabricated metal products	32.3	31.9	32.5	.4	-.2
Fabricated structural metal products	4.0	3.9	4.0	.1	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	10.8	10.5	11.1	.3	-.3
Machinery, except electrical	30.7	30.8	30.4	-.1	.3
Construction and related machinery	2.6	2.7	2.5	.0	.1
Metalworking machinery	10.5	10.5	10.1	.0	.4
Special industry machinery	2.6	2.7	2.7	-.1	-.1
General industrial machinery	3.3	3.3	3.2	.0	.1
Electric and electronic equipment	17.8	17.7	17.9	.1	-.1
Electrical industrial apparatus	6.6	6.6	6.6	.1	.0
Transportation equipment	19.2	19.2	20.1	.0	-.9
Motor vehicles and equipment	12.4	12.3	12.7	.0	-.3
Instruments and related products	6.4	6.4	6.4	.0	.0
Measuring and controlling devices	4.5	4.5	4.4	.0	.2
Nondurable Goods[f]	64.7	64.6	64.1	.1	.6
Food and kindred products	6.7	6.7	6.7	.0	.0
Apparel and other textile products	3.3	3.3	3.6	.0	-.3
Paper and allied products	5.9	5.9	5.9	.0	.0
Printing and publishing	16.3	16.2	16.0	.0	.3
Chemicals and allied products	15.3	15.3	14.9	.0	.4
Rubber and misc. plastics products	11.5	11.5	11.6	.0	-.1
Nonmanufacturing[g]	737.0	734.8	721.7	2.2	15.3
Construction	30.4	31.1	29.3	-.7	1.0
Transportation and Public Utilities	42.1	42.0	42.1	.1	.0
Trucking and warehousing	12.9	12.8	12.5	.1	.4
Communication, electric, gas services	17.1	17.1	17.6	.0	-.4
Wholesale Trade	64.9	64.8	63.6	.1	1.3
Wholesale trade-durable goods	45.0	44.9	44.2	.1	.8
Retail Trade	166.6	164.3	162.1	2.4	4.5
General merchandise stores	22.6	21.3	22.3	1.3	.3
Finance, Insurance, and Real Estate	59.5	59.3	57.6	.2	1.9
Banking	14.6	14.5	14.2	.0	.4
Credit agencies other than banks	8.9	8.9	8.7	.0	.2
Insurance carriers	14.7	14.6	14.4	.1	.4
Services	253.8	254.5	243.0	-.8	10.8
Business services	59.7	59.9	55.9	-.2	3.8
Amusement and recreation services	7.1	7.8	6.8	-.7	.3
Health services	79.7	79.8	77.7	-.1	2.1
Hospitals	44.1	44.3	43.6	-.2	.5
Government	118.6	117.7	122.8	.9	-4.2
Federal government	20.5	20.6	20.8	.0	-.3
State government	7.9	8.0	8.1	-.1	-.2
State government education[i]	2.9	3.1	3.1	-.1	-.2
State government, except education	5.0	5.0	5.0	.0	.0
Local government	90.2	89.1	93.9	1.1	-3.7
Local government education	46.2	45.1	44.5	1.0	1.7
Local government, except education	44.0	44.0	49.4	.1	-5.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$518.49	$512.83	$528.12	43.1	42.7	43.9	$12.03	$12.01	$12.03
Durable Goods[e]	545.87	542.50	569.97	43.6	43.4	45.2	12.52	12.50	12.61
Primary metal industries	537.51	542.68	603.01	43.7	43.8	47.0	12.30	12.39	12.83
Iron and steel foundries	824.72	854.06	933.34	47.1	47.9	52.2	17.51	17.83	17.88
Fabricated metal products	549.31	535.30	571.87	43.7	43.1	45.1	12.57	12.42	12.68
Fabricated structural metal products	439.46	445.22	421.60	43.0	43.1	42.5	10.22	10.33	9.92
Screw machine products, bolts, etc.	529.98	515.31	566.41	43.8	42.8	46.2	12.10	12.04	12.26
Metal forgings and stampings	691.20	666.79	738.51	45.0	44.1	48.3	15.36	15.12	15.29
Machinery, except electrical	527.02	531.83	545.22	43.7	43.7	44.8	12.06	12.17	12.17
Construction and related machinery	429.53	446.81	394.40	44.1	45.5	42.5	9.74	9.82	9.28
Metalworking machinery	500.82	485.52	487.21	43.1	42.0	42.7	11.62	11.56	11.41
Special industry machinery	509.55	491.82	478.08	43.0	42.0	41.5	11.85	11.71	11.52
General industrial machinery	493.93	501.24	527.52	43.1	43.7	47.1	11.46	11.47	11.20
Electric and electronic equipment	484.18	468.42	453.60	43.0	42.2	41.5	11.26	11.10	10.93
Electrical industrial apparatus	580.32	563.62	511.43	46.5	45.6	43.6	12.48	12.36	11.73
Transportation equipment	723.97	719.43	760.50	44.8	44.3	47.8	16.16	16.24	15.91
Motor vehicles and equipment	803.99	801.90	845.70	45.5	45.0	48.8	17.67	17.82	17.33
Instruments and related products	422.18	418.14	418.47	41.8	41.4	42.1	10.10	10.10	9.94
Measuring and controlling devices	473.68	468.29	457.10	43.9	43.4	42.6	10.79	10.79	10.73
Nondurable Goods[f]	448.03	441.41	428.22	41.6	41.1	40.9	10.77	10.74	10.47
Food and kindred products	456.92	442.00	421.87	41.5	40.7	41.4	11.01	10.86	10.19
Apparel and other textile products	359.57	353.47	329.16	39.6	38.8	39.0	9.08	9.11	8.44
Paper and allied products	475.84	468.10	478.26	42.6	42.4	42.1	11.17	11.04	11.36
Printing and publishing	435.76	422.53	400.00	39.4	38.1	36.9	11.06	11.09	10.84
Chemicals and allied products	535.48	541.37	530.96	42.6	43.0	43.7	12.57	12.59	12.15
Rubber and misc. plastics products	386.53	387.43	390.76	42.9	43.0	42.8	9.01	9.01	9.13
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	620.20	625.55	612.13	41.1	41.4	41.5	15.09	15.11	14.75
Wholesale Trade	451.79	446.01	429.66	39.7	39.4	39.6	11.38	11.32	10.85
Retail Trade[h]	187.68	189.48	186.09	27.2	27.5	27.9	6.90	6.89	6.67
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	298.83	298.88	297.21	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	354.77	353.60	345.07	30.4	30.3	31.6	11.67	11.67	10.92

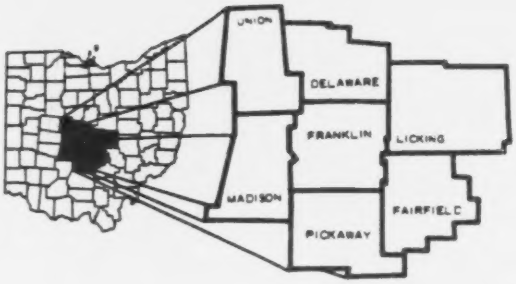
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

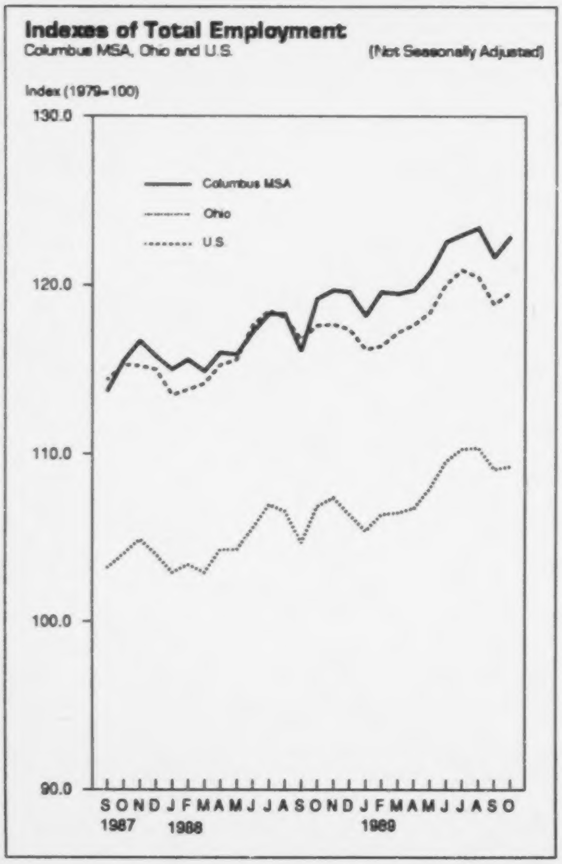
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	4,008	4,948	4,297
Active File of Job Seekers	24,069	23,971	54,051
Referrals to Jobs	2,081	2,351	1,859
Placements	315	342	359
Job Openings Received	944	1,239	942
Job Openings Unfilled	3,363	3,384	3,582
Unemployment Insurance Program			
Initial Claims	7,469	6,113	7,125
Continued Claims	46,372	42,052	46,202
First Payments	2,735	2,579	3,022
Last Payments	790	637	842
Weeks Compensated	37,250	35,016	33,530
Benefits Paid	$6,059,562	$5,827,039	$5,103,578
Average Weekly Payment	$168.80	$173.90	$155.74

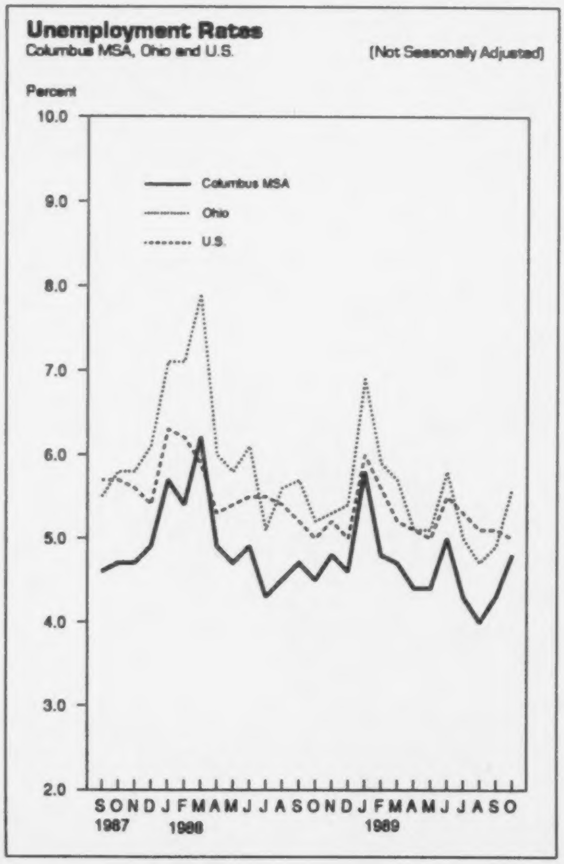
COLUMBUS
METROPOLITAN STATISTICAL AREA



In the Columbus metropolitan area, nonfarm payroll employment totaled 718,200 in November 1989, increasing 3,900 above the October level. More business in retail trade and the continued return of nonteaching personnel in state and local schools and colleges overshadowed a seasonal layoff in construction. Manufacturing employment rose 400 over the month to 103,800 due to the settlement of a labor-management dispute in nonelectrical machinery and a modest gain in fabricated metal products. Factory production workers averaged $12.20 per hour, unchanged from October. Their average workweek was .5 hours longer at 42.4 hours.

Nonagricultural wage and salary employment advanced 18,200 between November 1988 and November 1989. Leading growth industries were services (+8,900) and retail trade (+7,100). Noteworthy expansion also occurred in construction, finance, insurance, and real estate, wholesale trade, and transportation and public utilities. Manufacturing employment declined 300 during the period. Reductions in nonelectrical machinery and food and kindred products negated gains in transportation equipment and printing and publishing.


Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)

Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	July	699.2	103.2	67.5	496.43	41.3	12.02
742.2	712.8	29.4	4.0	August	701.2	103.4	67.7	495.19	41.3	11.99
734.2	702.7	31.5	4.3	September	707.0	104.3	68.4	503.36	41.6	12.10
745.7	710.0	35.7	4.8	October	714.3	103.4	67.8	511.18	41.9	12.20
INA	INA	INA	INA	November	718.2	103.8	68.3	517.28	42.4	12.20

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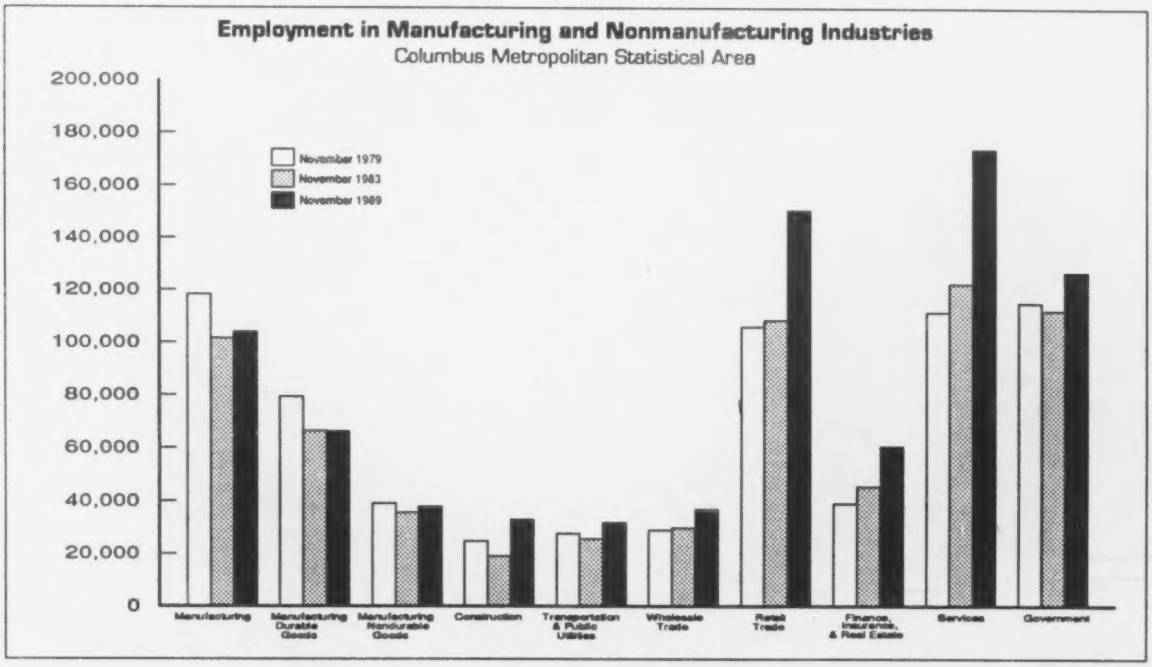


Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	718.2	714.3	700.0	3.9	18.2
Manufacturing	103.8	103.4	104.1	.4	-.3
Durable Goods[e]	66.1	65.6	66.2	.5	-.1
Stone, clay, and glass products	10.3	10.2	10.3	.1	.0
Glass and glassware, pressed or blown	3.4	3.3	3.4	.1	.0
Fabricated metal products	9.5	9.4	9.4	.2	.1
Fabricated structural metal products	2.5	2.5	2.5	.0	.0
Machinery, except electrical	9.4	9.1	9.8	.3	-.4
Electric and electronic equipment	10.6	10.6	10.6	.0	.0
Transportation equipment	13.5	13.5	13.0	-.1	.5
Instruments and related products	4.4	4.5	4.1	-.1	.2
Nondurable Goods[f]	37.7	37.8	37.9	-.1	-.2
Food and kindred products	10.2	10.3	10.3	-.2	-.2
Printing and publishing	11.0	10.9	10.7	.0	.3
Chemicals and allied products	6.7	6.7	6.6	.0	.1
Rubber and misc. plastics products	5.6	5.6	5.7	.1	-.1
Nonmanufacturing[g]	614.4	610.9	595.9	3.5	18.4
Construction	32.9	33.8	30.3	-.9	2.7
Transportation and Public Utilities	31.7	31.5	30.4	.1	1.2
Trucking and warehousing	13.8	13.6	12.8	.2	.9
Communication, electric, gas services	11.7	11.8	12.0	.0	-.3
Wholesale Trade	36.8	36.6	35.6	.2	1.3
Wholesale trade-durable goods	23.5	23.4	22.8	.1	.7
Retail Trade	150.7	147.9	143.6	2.8	7.1
General merchandise stores	21.9	20.9	21.3	1.0	.5
Finance, Insurance, and Real Estate	60.6	60.4	58.8	.2	1.8
Banking	11.9	11.9	11.6	.0	.3
Insurance carriers	23.9	23.8	23.5	.1	.4
Services	173.9	173.9	165.0	.0	8.9
Business services	42.3	42.4	39.1	-.1	3.3
Health services	43.7	43.5	42.1	.2	1.6
Hospitals	19.9	19.8	19.4	.1	.6
Government	126.8	125.7	131.3	1.1	-4.5
Federal government	15.2	15.2	15.2	-.1	.0
State government	55.8	55.1	55.7	.7	.1
State government education[i]	23.6	22.9	24.3	.7	-.7
State government, except education	32.2	32.1	31.3	.0	.8
Local government	55.8	55.4	60.4	.4	-4.6
Local government education	34.1	33.6	33.6	.5	.5
Local government, except education	21.8	21.8	26.8	.0	-5.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$517.28	$511.18	$489.39	42.4	41.9	41.9	$12.20	$12.20	$11.68
Durable Goods[e]	519.82	515.37	492.13	42.4	41.9	41.6	12.26	12.30	11.83
Stone, clay, and glass products	516.24	523.31	482.98	42.7	43.0	41.6	12.09	12.17	11.61
Glass and glassware, pressed or blown	463.78	470.11	444.96	42.2	42.2	41.2	10.99	11.14	10.80
Fabricated metal products	519.58	504.60	531.30	41.6	40.4	42.2	12.49	12.49	12.59
Fabricated structural metal products	480.90	484.50	460.62	42.0	42.5	41.2	11.45	11.40	11.18
Machinery, except electrical	494.36	471.13	457.71	43.1	41.4	41.8	11.47	11.38	10.95
Electric and electronic equipment	502.60	502.74	450.72	42.2	42.0	40.1	11.91	11.97	11.24
Transportation equipment	639.13	642.91	576.42	44.2	44.4	41.8	14.46	14.48	13.79
Instruments and related products	413.88	402.56	410.27	40.3	39.7	38.2	10.27	10.14	10.74
Nondurable Goods[f]	512.55	501.18	484.36	42.5	41.8	42.6	12.06	11.99	11.37
Food and kindred products	469.70	447.28	458.17	42.7	41.3	42.7	11.00	10.83	10.73
Printing and publishing	600.75	598.86	575.51	40.4	40.3	40.5	14.87	14.86	14.21
Chemicals and allied products	671.80	653.87	599.62	45.3	44.3	43.8	14.83	14.76	13.69
Rubber and misc. plastics products	406.85	400.40	372.81	43.7	43.1	43.0	9.31	9.29	8.67
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	660.31	658.36	585.45	43.7	43.6	41.2	15.11	15.10	14.21
Wholesale Trade	364.81	365.19	358.15	38.2	38.2	37.7	9.55	9.56	9.50
Retail Trade[h]	196.20	190.52	187.20	28.6	28.1	28.8	6.86	6.78	6.50
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	285.13	279.81	271.13	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	395.13	392.16	350.48	34.6	34.4	33.7	11.42	11.40	10.40

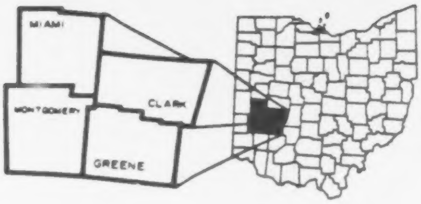
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

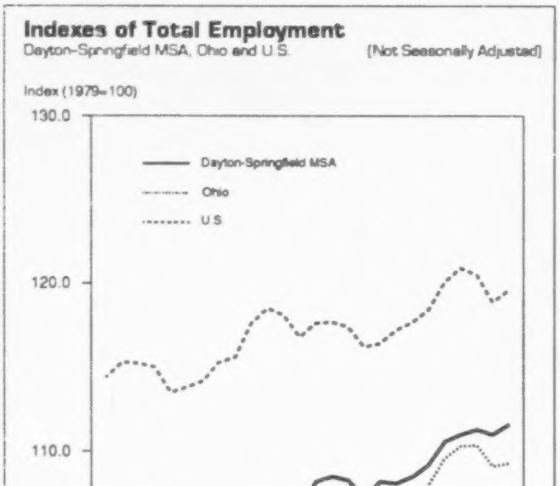
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	3,861	4,421	4,576
Active File of Job Seekers	20,757	21,335	28,286
Referrals to Jobs	1,894	2,239	2,005
Placements	404	642	634
Job Openings Received	1,427	1,518	1,106
Job Openings Unfilled	3,230	3,207	1,943
Unemployment Insurance Program			
Initial Claims	4,585	4,287	4,760
Continued Claims	31,712	29,647	34,731
First Payments	2,061	1,765	2,529
Last Payments	466	420	500
Weeks Compensated	27,146	21,010	25,377
Benefits Paid	$4,451,061	$3,382,105	$3,979,109
Average Weekly Payment	$171.50	$168.31	$161.21

DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

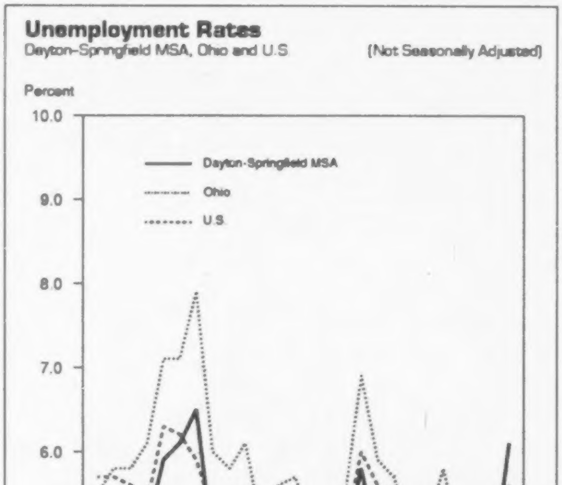


Total nonfarm payroll employment in the Dayton-Springfield metropolitan area rose 2,600 above the October level to 460,100 in November 1989. The nonmanufacturing sector increased 1,200 due primarily to seasonal hirings in retail trade, especially general merchandise stores. Partial recalls in transportation equipment and the settlement of a labor-management dispute in fabricated metal products raised manufacturing employment 1,400 over the month to 102,800. Factory production worker average hourly earnings of $13.00 were $.09 higher than October. Their average workweek was .3 hours longer at 42.9 hours.

Nonagricultural wage and salary employment advanced 9,800 between November 1988 and November 1989. Major areas of expansion were services, especially business and health services, retail trade, construction, and transportation and public utilities. Manufacturing employment declined 2,500 during the period due to significant reductions in transportation equipment, nonelectrical machinery, and rubber and miscellaneous plastics products.



Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton–Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	July	447.2	103.8	65.9	540.18	42.4	12.74
486.5	465.3	21.2	4.4	August	448.2	104.2	66.2	531.70	41.8	12.72
486.2	464.1	22.1	4.6	September	457.2	104.5	66.7	554.25	42.7	12.98
496.7	466.3	30.4	6.1	October	457.4	101.4	64.4	549.97	42.6	12.91
INA	INA	INA	INA	November	460.1	102.8	65.3	557.70	42.9	13.00

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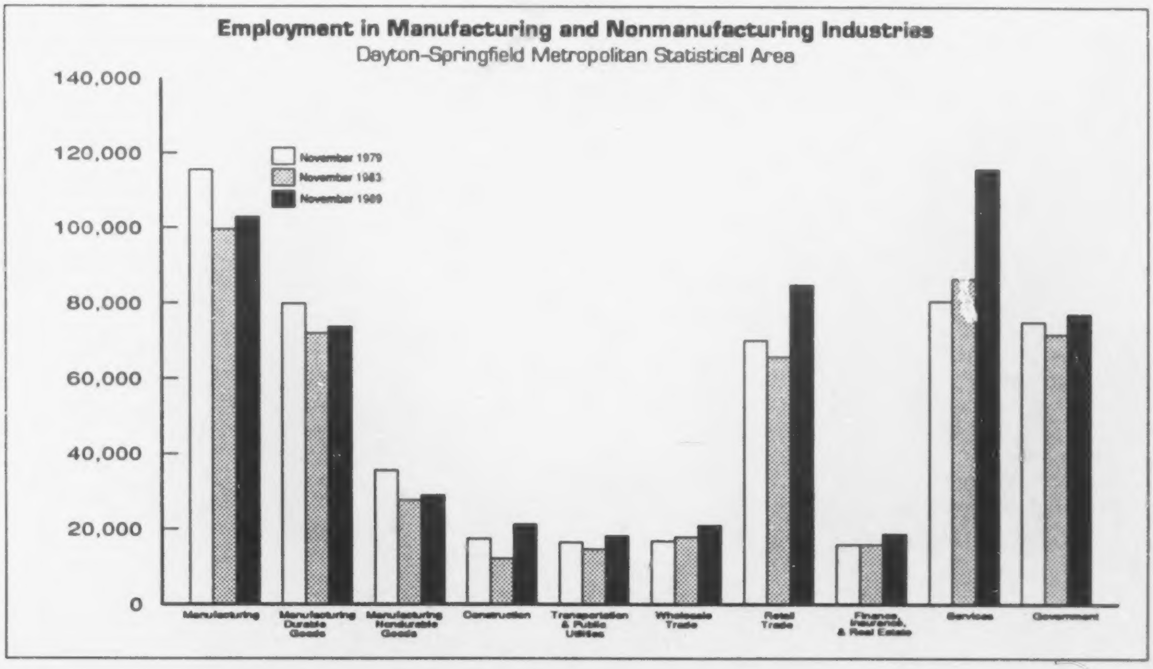


Employment in Manufacturing and Nonmanufacturing Industries

Dayton–Springfield Metropolitan Statistical Area

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	460.1	457.4	450.3	2.6	9.8
Manufacturing	102.8	101.4	105.3	1.4	-2.5
Durable Goods[e]	73.8	72.3	75.8	1.4	-2.0
Fabricated metal products	8.3	8.0	8.3	.3	.0
Machinery, except electrical	30.1	30.0	31.1	.0	-1.0
Metalworking machinery	6.6	6.6	6.7	.0	-.1
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.7	5.7	5.8	.0	-.1
Electrical industrial apparatus	3.2	3.2	3.3	.0	-.1
Transportation equipment	19.7	18.6	20.8	1.1	-1.2
Nondurable Goods[f]	29.0	29.0	29.5	.0	-.5
Food and kindred products	3.2	3.1	3.0	.0	.1
Paper and allied products	5.7	5.7	5.9	.0	-.2
Printing and publishing	9.0	8.8	8.9	.1	.1
Rubber and misc. plastics products	7.3	7.4	7.9	-.1	-.6
Nonmanufacturing[g]	357.3	356.1	345.0	1.2	12.3
Construction	21.2	21.9	19.4	-.7	1.8
Transportation and Public Utilities	18.2	18.1	17.1	.1	1.0
Communication, electric, gas services	5.2	5.2	5.5	.0	-.3
Wholesale Trade	20.9	20.9	20.1	.0	.8
Wholesale trade-durable goods	14.2	14.2	13.8	.1	.5
Retail Trade	84.9	83.8	82.5	1.2	2.4
General merchandise stores	12.9	12.2	12.5	.7	.4
Finance, Insurance, and Real Estate	18.6	18.6	18.2	.0	.5
Banking	4.1	4.2	4.1	.0	.0
Credit agencies other than banks	4.8	4.8	4.7	.0	.1
Insurance carriers	3.2	3.2	3.0	.1	.2
Services	115.7	115.6	109.4	.1	6.3
Business services	28.8	28.9	26.6	-.1	2.2
Health services	36.7	38.6	37.2	.1	1.6
Hospitals	19.8	19.8	19.2	.0	.6
Educational services	9.5	9.3	9.3	.2	.2
Government	77.2	76.7	77.8	.5	-.6
Federal government	28.6	29.0	27.4	-.4	1.2
State government	7.2	6.6	7.2	.5	.0
State government education[i]	4.3	3.8	4.3	.5	.0
State government, except education	2.9	2.9	2.9	.0	.0
Local government	41.5	41.1	43.3	.4	-1.7
Local government education	26.3	25.9	25.2	.4	1.1
Local government, except education	15.3	15.3	18.1	.0	-2.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$557.70	$549.97	$580.69	42.9	42.6	44.6	$13.00	$12.91	$13.02
Durable Goods[e]	574.99	568.03	597.54	43.2	43.0	45.2	13.31	13.21	13.22
Fabricated metal products	398.93	402.41	391.52	41.0	41.4	41.3	9.73	9.72	9.48
Machinery, except electrical	609.62	606.99	621.92	43.7	43.7	46.0	13.95	13.89	13.52
Metalworking machinery	635.69	613.01	587.17	48.6	47.3	47.2	13.08	12.96	12.44
General industrial machinery	487.03	464.80	513.88	43.1	41.5	44.3	11.30	11.20	11.60
Electric and electronic equipment	416.33	408.36	469.20	41.8	41.5	46.0	9.96	9.84	10.20
Electrical industrial apparatus	536.03	499.38	576.18	44.3	42.0	49.5	12.10	11.89	11.64
Transportation equipment	747.76	738.92	785.18	45.1	44.3	47.3	16.58	16.68	16.60
Nondurable Goods[f]	505.31	497.21	531.15	41.9	41.4	42.8	12.06	12.01	12.41
Food and kindred products	393.16	347.39	376.47	43.3	40.3	42.3	9.08	8.62	8.90
Paper and allied products	501.42	496.57	493.27	44.1	44.1	44.2	11.37	11.26	11.16
Printing and publishing	475.78	470.37	448.37	40.7	40.1	39.4	11.69	11.73	11.38
Rubber and misc. plastics products	650.82	644.81	737.81	40.6	40.1	44.5	16.03	16.08	16.58
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	573.59	570.31	565.56	41.0	41.0	40.6	13.99	13.91	13.93
Wholesale Trade	402.73	398.00	404.59	39.6	39.8	39.9	10.17	10.00	10.14
Retail Trade[h]	179.14	175.23	163.54	28.8	28.4	28.1	6.22	6.17	5.82
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	409.02	404.54	356.71	35.2	35.3	34.2	11.62	11.46	10.43

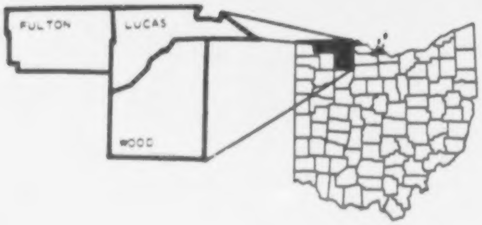
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

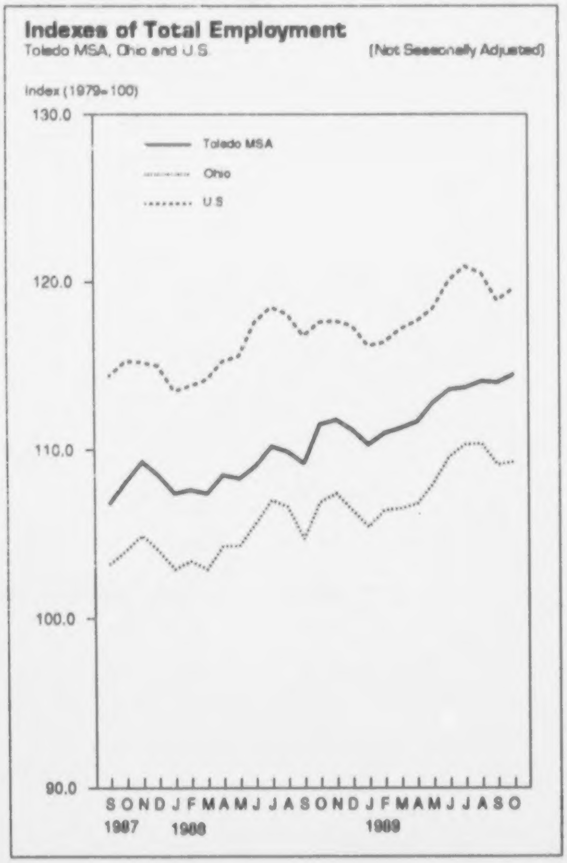
	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	2,265	2,890	2,852
Active File of Job Seekers	11,167	10,965	11,787
Referrals to Jobs	1,364	1,778	1,518
Placements	358	572	374
Job Openings Received	492	1,037	677
Job Openings Unfilled	2,378	2,711	1,822
Unemployment Insurance Program			
Initial Claims	7,576	5,349	3,134
Continued Claims	27,285	25,369	20,362
First Payments	3,544	1,970	1,304
Last Payments	327	317	288
Weeks Compensated	23,941	19,534	14,910
Benefits Paid	$4,054,584	$3,258,004	$2,094,336
Average Weekly Payment	$179.77	$176.11	$143.67

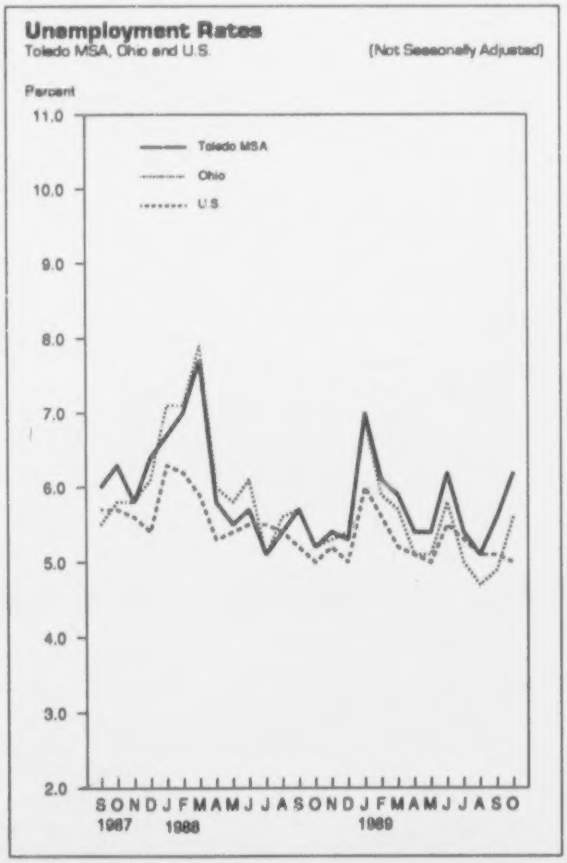
TOLEDO
METROPOLITAN STATISTICAL AREA



In the Toledo metropolitan area, nonfarm payroll employment rose 1,400 above the October level to 301,000 in November 1989. Seasonal hirings in retail trade, especially general merchandise stores, and the return of nonteaching personnel in local schools more than offset reductions in construction and services. Manufacturing industries added 500 jobs over the month to 60,500 due to scattered growth among producers of durable and nondurable goods. Factory production workers averaged $13.38 per hour, up $.07 from October. Their average workweek of 44.0 hours was .6 hours longer.

Nonagricultural wage and salary employment advanced 6,500 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services (+4,300), retail trade (+3,200), and construction (+1,800). Reductions in transportation equipment, fabricated metal products, nonelectrical machinery, and food and kindred products lowered manufacturing employment 2,100 during the period.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1978**	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	**1979**	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	**1983**	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	**1984**	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	**1985**	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	**1986**	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	**1987**	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	**1988**	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
314.1	297.9	16.2	5.2	**October**	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	**November**	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	**December**	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	**January**	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	**February**	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	**March**	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	**April**	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	**May**	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	**June**	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	**July**	290.7	61.1	43.4	566.24	42.8	13.23
321.3	304.8	16.5	5.1	**August**	291.5	61.6	44.0	576.76	43.3	13.32
322.5	304.5	18.0	5.6	**September**	298.0	61.3	43.9	565.02	43.0	13.14
326.1	305.9	20.2	6.2	**October**	299.6	60.0	42.7	577.65	43.4	13.31
INA	INA	INA	INA	**November**	301.0	60.5	43.1	588.72	44.0	13.38

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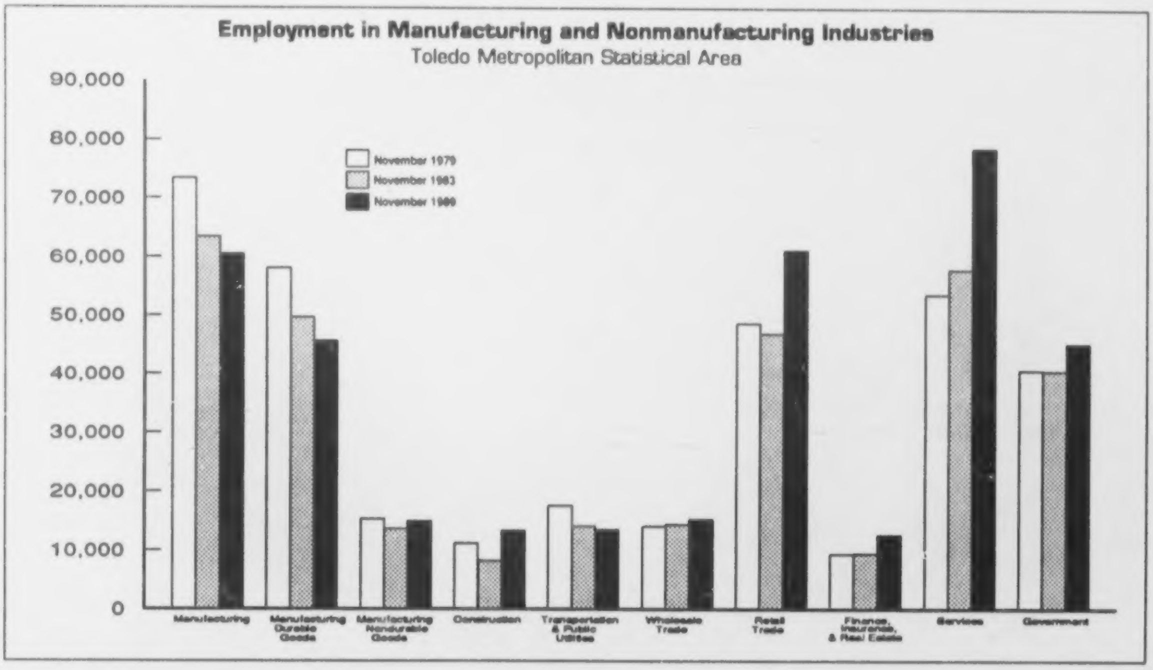


Employment in Manufacturing and Nonmanufacturing Industries

Toledo Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	301.0	299.6	294.5	1.4	6.5
Manufacturing	60.5	60.0	62.6	.5	-2.1
Durable Goods[e]	45.6	45.2	47.3	.4	-1.8
Stone, clay, and glass products	7.5	7.5	7.6	.0	-.1
Primary metal industries	3.4	3.4	3.6	.1	-.2
Fabricated metal products	7.0	6.3	7.4	.1	-.5
Metal forgings and stampings	2.6	2.6	3.1	.0	-.5
Machinery, except electrical	5.7	5.6	6.0	.1	-.3
Electric and electronic equipment	2.0	2.0	2.2	.0	-.2
Transportation equipment	14.8	14.8	15.7	.1	-.8
Motor vehicles and equipment	13.9	13.9	14.7	.1	-.8
Nondurable Goods[f]	14.9	14.9	15.3	.1	-.3
Food and kindred products	3.9	3.9	4.2	.0	-.3
Rubber and misc. plastics products	3.5	3.5	3.5	.0	.0
Nonmanufacturing[g]	240.5	239.5	231.9	.9	8.6
Construction	13.4	13.8	11.6	-.4	1.8
Transportation and Public Utilities	13.5	13.6	13.2	.0	.3
Trucking and warehousing	5.9	5.8	5.5	.1	.4
Communication, electric, gas services	4.7	4.7	4.7	.0	.0
Wholesale Trade	15.3	15.5	14.9	-.1	.5
Wholesale trade-durable goods	10.3	10.4	10.0	-.1	.3
Retail Trade	61.2	59.9	58.1	1.3	3.2
General merchandise stores	9.7	9.0	9.3	.7	.4
Finance, Insurance, and Real Estate	12.7	12.7	12.4	.0	.2
Banking	3.7	3.7	3.8	.0	-.1
Services	78.7	79.0	74.4	-.3	4.3
Business services	17.5	17.6	15.9	-.2	1.5
Health services	27.7	27.6	27.2	.1	.5
Hospitals	15.1	15.1	15.0	.0	.1
Government	45.4	44.8	47.0	.5	-1.6
State government	17.4	17.3	16.9	.1	.5
State government education[i]	13.2	13.1	12.8	.1	.4
State government, except education	4.2	4.2	4.1	.0	.1
Local government	25.4	24.9	27.4	.5	-2.0
Local government education	14.8	14.3	14.9	.5	-.1
Local government, except education	10.6	10.6	12.5	.0	-2.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$588.72	$577.65	$605.69	44.0	43.4	45.1	$13.38	$13.31	$13.43
Durable Goods[e]	605.05	595.08	629.24	44.1	43.5	45.4	13.72	13.68	13.86
Stone, clay, and glass products	605.14	600.60	509.52	44.3	44.0	39.9	13.66	13.65	12.77
Primary metal industries	495.30	490.50	501.48	43.6	43.6	44.3	11.36	11.25	11.32
Fabricated metal products	488.07	470.95	532.67	43.5	42.2	44.8	11.22	11.16	11.89
Metal forgings and stampings	612.82	636.20	635.54	40.8	41.8	43.8	15.02	15.22	14.51
Machinery, except electrical	524.17	521.08	521.67	43.0	43.1	43.4	12.19	12.09	12.02
Electric and electronic equipment	516.52	521.66	581.76	42.9	42.9	45.7	12.04	12.16	12.73
Transportation equipment	776.54	759.24	855.60	45.2	44.4	49.6	17.18	17.10	17.25
Motor vehicles and equipment	786.36	769.41	867.26	45.3	44.5	49.9	17.37	17.29	17.38
Nondurable Goods[f]	537.34	520.65	523.47	43.9	43.1	44.1	12.24	12.08	11.87
Food and kindred products	615.52	593.97	674.84	44.7	43.9	48.1	13.77	13.53	14.03
Rubber and misc. plastics products	373.09	366.21	356.07	42.3	41.9	41.5	8.82	8.74	8.58
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	605.73	606.64	604.66	40.9	41.1	41.5	14.81	14.76	14.57
Wholesale Trade	407.88	418.54	393.22	39.6	40.4	39.8	10.30	10.36	9.88
Retail Trade[h]	163.03	160.21	158.75	27.4	27.2	27.9	5.95	5.89	5.69

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

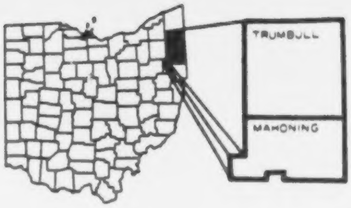
Selected Administrative Program Activities

Toledo MSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	1,907	2,037	2,089
Active File of Job Seekers	11,373	11,215	17,278
Referrals to Jobs	783	1,089	1,439
Placements	262	356	584
Job Openings Received	330	525	924
Job Openings Unfilled	980	1,195	1,838
Unemployment Insurance Program			
Initial Claims	7,460	4,269	3,015
Continued Claims	26,198	19,017	17,897
First Payments	1,259	996	1,131
Last Payments	235	205	214
Weeks Compensated	18,656	14,730	12,764
Benefits Paid	$3,104,920	$2,440,437	$1,904,313
Average Weekly Payment	$179.09	$178.15	$154.01

YOUNGSTOWN - WARREN

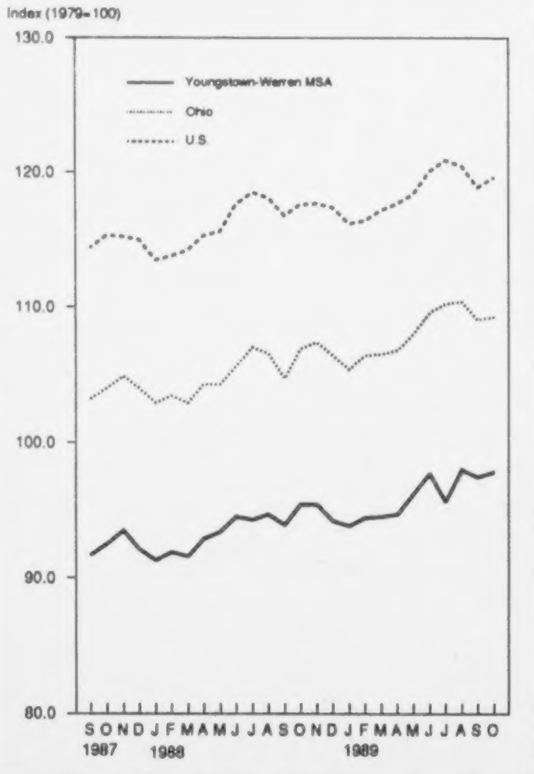
METROPOLITAN STATISTICAL AREA



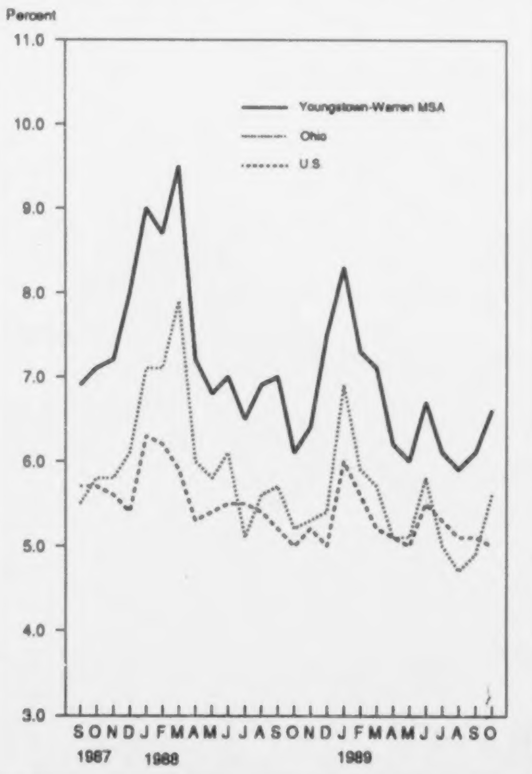
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 203,400 in November 1989, down 200 from the October level. Seasonal declines in construction and services negated modest improvements in retail trade and wholesale trade. Less business in fabricated metal products lowered manufacturing employment 100 over the month to 49,400. Factory production worker average hourly earnings of $14.16 were $.05 less than October. Their average workweek of 43.7 hours was .1 hours longer.

Nonfarm wage and salary employment advanced 3,600 between November 1988 and November 1989. The improvement was concentrated in the nonmanufacturing sector. Primary growth industries were services (+3,300) and retail trade (+1,700). Noteworthy expansion also occurred in construction, wholesale trade, and transportation and public utilities. A significant decrease in primary metal industries and moderate declines in transportation equipment and fabricated metal products reduced the manufacturing workforce 2,500 during the period.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	**1978**	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	**1979**	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	**1980**	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	**1981**	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	**1982**	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	**1983**	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	**1984**	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	**1985**	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	**1986**	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	**1987**	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	**1988**	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
223.3	209.8	13.5	6.1	**October**	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	**November**	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	**December**	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	**January**	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	**February**	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	**March**	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	**April**	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	**May**	200.0	50.1	38.1	600.66	43.4	13.84
230.2	214.9	15.3	6.7	**June**	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	**July**	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	**August**	198.9	48.9	36.8	589.96	42.2	13.98
228.1	214.2	13.9	6.1	**September**	202.4	49.7	37.7	612.14	43.2	14.17
230.1	215.0	15.1	6.6	**October**	203.6	49.5	37.5	619.56	43.6	14.21
INA	INA	INA	INA	**November**	203.4	49.4	37.4	618.79	43.7	14.16

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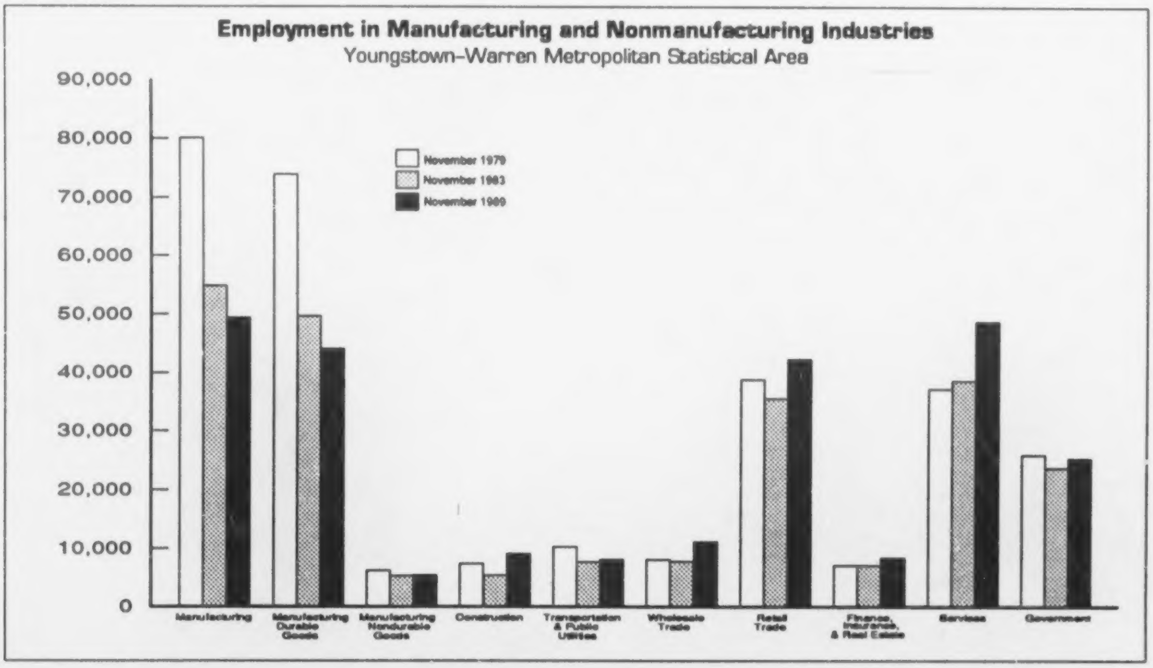
Employment in Manufacturing and Nonmanufacturing Industries
Youngstown-Warren Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	November 1989[b]	October 1989[c]	November 1988[c]	From Last Month	From Last Year
Total	203.4	203.6	199.8	-.2	3.6
Manufacturing	49.4	49.5	51.9	-.1	-2.5
Durable Goods[e]	44.1	44.1	46.5	-.1	-2.4
Primary metal industries	18.0	18.0	19.4	.0	-1.4
Blast furnace and basic steel products	5.1	5.2	5.7	.0	-.6
Fabricated metal products	7.3	7.4	7.6	-.1	-.3
Machinery, except electrical	3.8	3.8	3.8	.0	.0
Electric and electronic equipment	2.2	2.2	2.4	.0	-.2
Transportation equipment	9.4	9.5	9.9	.0	-.5
Nondurable Goods[f]	5.3	5.4	5.4	.0	-.1
Nonmanufacturing[g]	153.9	154.1	147.9	-.2	6.0
Construction	9.1	9.6	8.2	-.5	.9
Transportation and Public Utilities	8.1	8.0	7.7	.1	.4
Communication, electric, gas services	2.7	2.7	2.9	.0	-.1
Wholesale Trade	11.1	11.0	10.5	.2	.6
Wholesale trade-durable goods	6.9	6.9	6.7	.0	.1
Retail Trade	42.3	42.0	40.7	.3	1.7
General merchandise stores	5.6	5.3	5.6	.4	.0
Finance, Insurance, and Real Estate	8.3	8.3	8.2	.0	.1
Banking	2.8	2.8	2.7	.0	.1
Services	48.9	49.2	45.6	-.4	3.3
Health services	21.4	21.3	20.5	.0	.8
Hospitals	10.9	10.9	10.6	.0	.3
Government	25.4	25.2	26.2	.2	-.9
State government	4.7	4.6	4.5	.1	.2
State government education[i]	3.3	3.2	3.0	.1	.2
State government, except education	1.4	1.5	1.5	.0	.0
Local government	18.6	18.5	19.6	.1	-1.1
Local government education	12.1	12.0	12.0	.1	.2
Local government, except education	6.4	6.5	7.7	.0	-1.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]	Nov. 1989[b]	Oct. 1989[c]	Nov. 1988[c]
Manufacturing	$618.79	$619.56	$593.71	43.7	43.6	43.4	$14.16	$14.21	$13.68
Durable Goods[e]	635.23	637.87	610.05	43.9	43.9	43.7	14.47	14.53	13.96
Primary metal industries	659.74	678.97	667.92	42.4	43.0	44.0	15.56	15.79	15.18
Blast furnace and basic steel products	640.79	643.11	619.22	46.1	46.3	45.1	13.90	13.89	13.73
Fabricated metal products	618.72	618.77	597.18	44.9	45.1	44.4	13.78	13.72	13.45
Machinery, except electrical	541.01	524.17	495.22	44.2	43.0	43.1	12.24	12.19	11.49
Electric and electronic equipment	514.18	479.29	457.06	43.1	41.0	40.7	11.93	11.69	11.23
Transportation equipment	729.12	721.18	644.12	46.5	46.2	44.3	15.68	15.61	14.54
Nondurable Goods[f]	441.66	438.13	421.46	41.2	41.1	40.8	10.72	10.66	10.33
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	606.94	610.69	570.24	41.6	41.6	40.5	14.59	14.68	14.08
Wholesale Trade	382.78	382.39	376.99	38.9	38.9	39.6	9.84	9.83	9.52
Retail Trade[h]	182.28	181.16	176.29	28.0	28.0	28.9	6.51	6.47	6.10

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	November 1989	October 1989	November 1988
Employment Service Program			
New Applicants	1,816	2,381	1,972
Active File of Job Seekers	13,853	14,304	16,831
Referrals to Jobs	1,209	1,831	1,171
Placements	309	382	389
Job Openings Received	507	522	545
Job Openings Unfilled	510	620	807
Unemployment Insurance Program			
Initial Claims	4,070	3,435	4,244
Continued Claims	18,255	17,202	15,984
First Payments	1,061	1,039	1,033
Last Payments	265	240	238
Weeks Compensated	15,531	13,188	11,975
Benefits Paid	$2,280,091	$1,963,561	$1,650,145
Average Weekly Payment	$158.01	$158.92	$142.65

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \text{ X } \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio November 1989	 October 1989	 November 1988
New Applicants	32,748	37,382	36,413
Active File of Job Seekers	188,667	188,200	250,577
Counseling Interviews	1,029	1,095	1,208
Tests Administered	1,152	1,341	1,712
General Aptitude Tests	138	160	326
Proficiency Tests	242	345	278
Specific Aptitude Tests	98	79	206
Referrals to Jobs	20,039	24,961	25,370
Placements	4,163	5,736	6,445
Job Openings Received	8,086	10,595	10,161
Job Openings Unfilled	18,544	20,674	22,792

Selected Unemployment Insurance Activities

	Ohio November 1989	 October 1989	 November 1988
Initial Claims	75,837	57,166	54,529
Continued Claims	345,699	305,369	321,870
First Payments	25,350	20,888	21,348
Last Payments	4,909	4,256	4,830
Average Weekly Claimants	74,713	67,514	67,968
Average Weekly Benefit Recipients	59,052	55,791	49,980
Weeks Compensated	281,033	131,738	229,564
Benefits Paid	$44,824,543	$21,132,992	$34,306,620
Average Weekly Payment	$168.20	$167.71	$153.93
Continued Claims for Survey Week	78,602	70,987	64,456
Insured Unemployment Rate	1.6	1.5	1.5
Net Contributions	$82,242,707	$25,297,225	$76,038,659
Active Employer Accounts	206,038	204,991	200,899

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Ohio
Labor
Market
Information

Labor Market Review

December 1989

Summary. Ohio's seasonally adjusted unemployment rate fell from 6.3 percent in November to 6.2 percent in December. The unemployment rate for the nation, at 5.3 percent, was unchanged from November. Total employment in Ohio rose 33,000 to 5,132,000. The number of unemployed Ohioans totaled 338,000 in December, down 7,000 over the month. Seasonally adjusted nonagricultural payroll employment in Ohio increased 13,000 from November to 4,843,000 in December mainly due to gains in nonmanufacturing industries. (See page 3.)

Factory Employment. Manufacturing employment in Ohio, at 1,101,000 in December, was up 2,000 from November. Substantial layoffs in the auto industry occurred after the survey week in December and, therefore, did not affect the employment count. Advances in transportation equipment and nonelectrical machinery overshadowed declines in primary metal industries, raising durable-goods employment 3,000 to 740,000. Nondurable-goods employment dropped 1,000 from November to 362,000 in December due to scattered losses in most component industries.

Nonmanufacturing. Nearly all nonmanufacturing divisions had gains in employment in December, boosting the nonmanufacturing total 11,000 from November to 3,742,000. Employment in services was up 5,000, while retail trade rose 2,000. Construction, transportation and public utilities, wholesale trade, finance, insurance, and real estate, and government each added 1,000 jobs. There was no change in employment in mining from November.

Over the Year. The unemployment rate in Ohio increased from 5.5 percent in December 1988 to 6.2 percent in December 1989. The national rate of 5.3 percent was unchanged from December 1988. Ohio's total employment was 72,000 higher than its year-ago value, while total unemployment was up 43,000. Nonfarm payroll employment rose 110,000 from December 1988. The lagest gains were in services (+50,000) and retail trade (+31,000). Construction and government also had notable advances. Manufacturing employment fell 10,000 over the year due to declines in durable-goods industries.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $525.30 per week in December, down $1.62 from November. Their average workweek of 42.5 hours was .2 hours shorter. Several large industries had lower earnings due to decreased overtime. The most significant were aircraft and parts, nonferrous rolling and drawing, motor vehicles and equipment, and fabricated structural metal products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 102,739 in December, up 35.5 percent from November, and up 40.7 percent from

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

December 1988. Total benefits paid rose 23.9 percent to $55.5 million. The average weekly benefit check of $169.59 was $1.39 higher than in November. The average weekly number of benefit recipients, at 78,983, was up 33.8 percent. At the end of December there were 205,964 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 27,168 new job applicants in December, down 17.0 percent from November, and down 14.2 percent from December 1988. Job openings received from employers fell 37.0 percent from November to 5,094. The Employment Services Division made 14,170 job referrals and 2,851 placements.

Notice

Beginning with the January 1990 issue, Nonagricultural Wage and Salary Employment statistics published in the Ohio *Labor Market Review* will be affected by the following changes:

- The U.S. Office of Budget and Management has revised the Standard Industrial Classification Manual to better reflect industry composition in the economy.
- Methodologies have been changed to provide more estimates for service-producing industries but fewer for manufacturing.

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Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	December 1989	**November 1989**	**December 1988**	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,470	5,444	5,355	26	115	0.5	2.1
Employment	5,132	5,099	5,060	33	72	0.6	1.4
Unemployment	338	345	295	-7	43	-2.0	14.6
Unemployment Rate	6.2	6.3	5.5				
Employer Survey Data[e]							
Total	4,843	4,830	4,733	13	110	0.3	2.3
Manufacturing	1,101	1,099	1,111	2	-10	0.2	-0.9
Durable Goods	740	737	750	3	-10	0.3	-1.3
Nondurable Goods	362	362	362	-1	0	-0.2	-0.1
Nonmanufacturing	3,742	3,731	3,622	11	120	0.3	3.3
Mining	20	20	19	0	0	-0.3	1.4
Construction	201	199	188	1	12	0.7	6.6
Transportation and Public Utilities	216	215	213	1	3	0.3	1.3
Wholesale Trade	266	265	258	1	8	0.3	3.0
Retail Trade	920	919	889	2	31	0.2	3.5
Finance, Insurance, and Real Estate	258	257	252	1	5	0.2	2.2
Services	1,158	1,153	1,108	5	50	0.4	4.5
Government	704	703	693	1	10	0.1	1.5
Goods Producing Industries[f]	1,321	1,318	1,319	3	2	0.2	0.2
Service Producing Industries[g]	3,522	3,512	3,414	9	107	0.3	3.1

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

[b] Changes are computed from unrounded numbers.

[c] Percentages are computed from unrounded numbers.

[d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

[e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

[f] Includes Mining, Construction, and Manufacturing.

[g] Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

	Civilian Labor Force			Unemployment Rates	
	Total	Employed	Unemployed	Ohio	U.S.
1987					
December	5,279	4,949	330	6.3	5.8
1988					
January	5,324	4,981	343	6.4	5.8
February	5,355	5,014	341	6.4	5.7
March	5,369	4,974	395	7.4	5.6
April	5,301	4,970	331	6.2	5.5
May	5,284	4,960	324	6.1	5.6
June	5,306	4,994	312	5.9	5.4
July	5,294	5,004	290	5.5	5.4
August	5,329	5,028	301	5.6	5.6
September	5,311	5,004	307	5.8	5.4
October	5,349	5,049	300	5.6	5.3
November	5,366	5,059	307	5.7	5.4
December	5,355	5,060	295	5.5	5.3
1989					
January	5,426	5,094	332	6.1	5.4
February	5,432	5,152	280	5.2	5.2
March	5,428	5,144	284	5.2	5.0
April	5,381	5,093	288	5.4	5.3
May	5,434	5,138	296	5.4	5.2
June	5,490	5,183	307	5.6	5.3
July	5,450	5,157	293	5.4	5.3
August	5,469	5,209	260	4.8	5.3
September	5,491	5,216	275	5.0	5.3
October	5,503	5,169	334	6.1	5.3
November	5,444	5,099	345	6.3	5.3
December	5,470	5,132	338	6.2	5.3

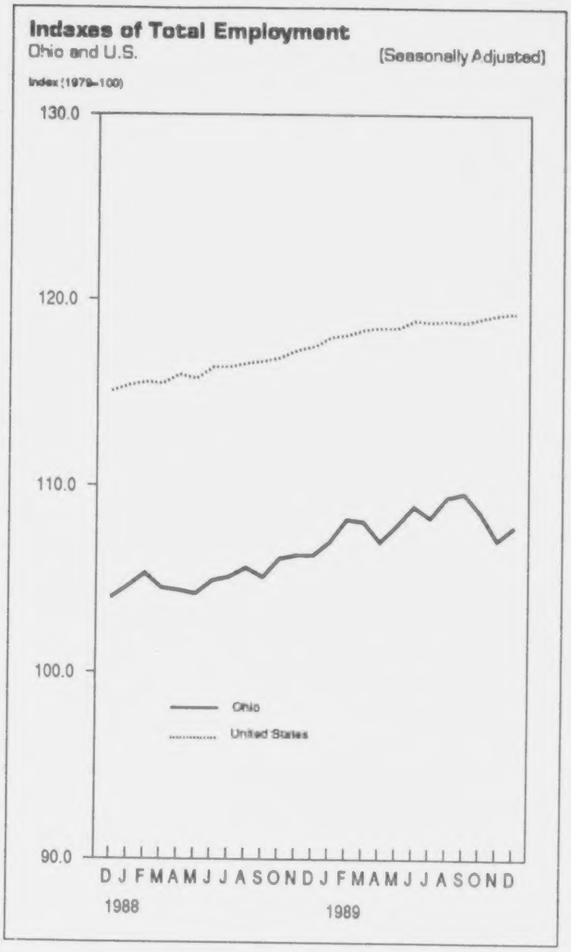
Ohio Nonagricultural Wage and Salary Employment
(in thousands)

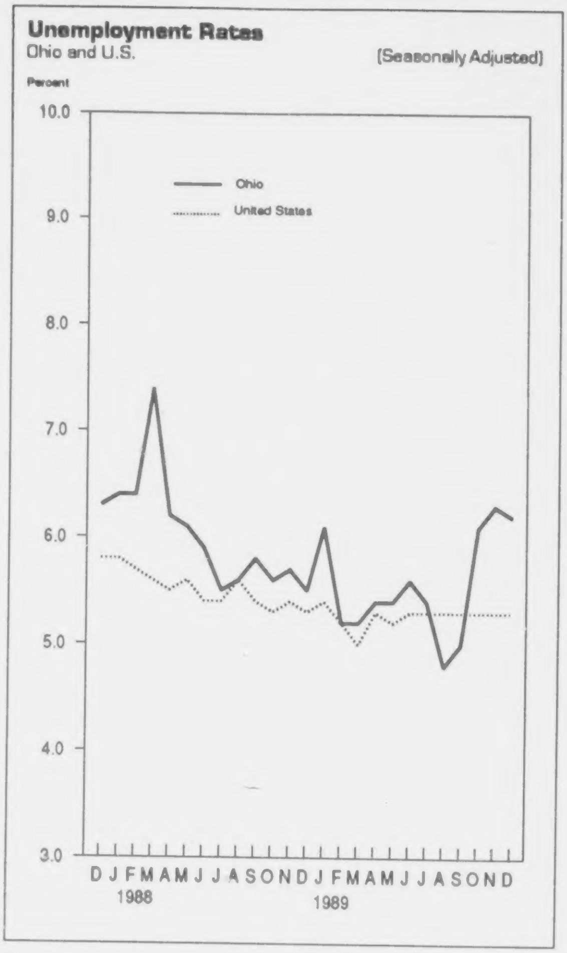
	Total Nonagricultural Employment			
		Manufacturing Employment		
			Durable	Nondurable
1987				
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,777	1,114	751	363
April	4,778	1,110	748	362
May	4,780	1,107	747	360
June	4,786	1,107	746	361
July	4,787	1,100	740	359
August	4,807	1,108	748	360
September	4,815	1,106	745	361
October	4,814	1,094	732	362
November	4,830	1,099	737	362
December	4,843	1,101	740	362

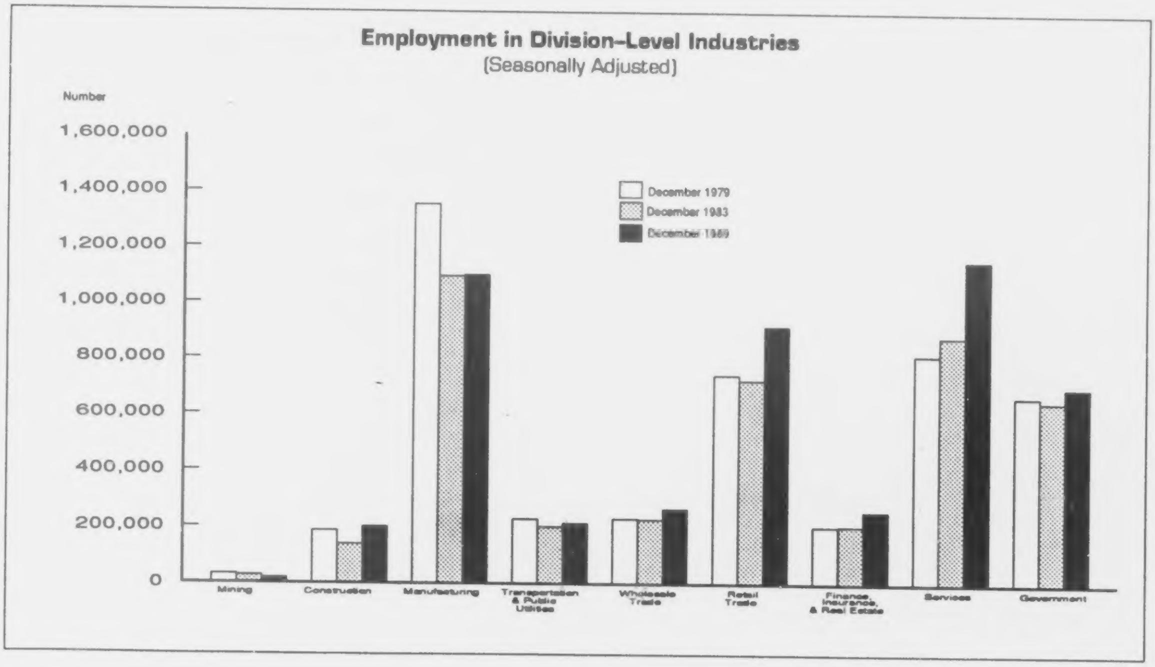
Nonmanufacturing Employment
(in thousands)

	Total Nonmanu-facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1987									
December	3,540	21	183	210	252	863	248	1073	691
1988									
January	3,533	20	181	210	251	865	247	1068	691
February	3,542	20	182	210	251	868	247	1073	690
March	3,557	19	185	211	252	872	248	1078	692
April	3,555	20	183	211	252	870	249	1079	691
May	3,561	19	182	211	253	871	249	1083	692
June	3,569	19	182	211	254	874	249	1087	692
July	3,575	19	182	212	255	876	250	1089	692
August	3,581	20	183	212	256	878	251	1093	689
September	3,589	19	184	212	256	880	251	1095	691
October	3,599	19	184	212	257	884	252	1097	693
November	3,611	19	186	213	258	887	252	1102	694
December	3,622	19	188	213	258	889	252	1108	693
1989									
January	3,642	19	196	213	259	896	253	1112	693
February	3,654	19	197	213	260	899	254	1116	696
March	3,663	19	197	214	260	903	254	1120	696
April	3,668	19	196	215	261	902	255	1125	695
May	3,672	19	196	214	261	902	255	1129	696
June	3,679	20	197	214	261	906	255	1132	694
July	3,688	17	197	214	262	908	255	1136	698
August	3,700	20	197	215	263	910	256	1140	698
September	3,709	20	198	215	263	912	257	1145	699
October	3,720	20	198	215	264	916	257	1147	704
November	3,731	20	199	215	265	919	257	1153	703
December	3,742	20	201	216	266	920	258	1158	704

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indaxes of Total Employment
Ohio and U.S. (Seasonally Adjusted)


Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)


Employment in Division-Level Industries
(Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

Civilian Labor Force			Unemployment Rates			Total Nonagricultural Employment			
Total	Employed	Unemployed	Ohio	U.S.			Manufacturing Employment		
								Durable	Nondurable
4,959	4,690	268	5.4	6.1	1978	4,394.9	1,377.2	974.5	402.7
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,382.3	980.5	401.8
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,264.3	882.6	381.8
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,232.6	860.4	372.2
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,099.9	752.4	347.5
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,066.0	723.6	342.4
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,127.0	773.4	353.6
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,124.3	768.7	355.5
5,232	4,806	425	8.1	7.0	1986	4,471.4	1,109.8	752.7	357.1
5,254	4,887	367	7.0	6.2	1987	4,582.6	1,098.9	740.4	358.4
5,328	5,008	320	6.0	5.5	1988	4,683.0	1,103.1	743.6	359.6
					1988				
5,352	5,066	286	5.4	5.0	December	4,781.8	1,115.1	752.5	362.6
					1989				
5,384	5,015	369	6.9	6.0	January	4,669.0	1,112.2	751.4	360.8
5,380	5,063	317	5.9	5.6	February	4,671.4	1,107.3	747.9	359.4
5,375	5,068	307	5.7	5.2	March	4,707.6	1,106.9	748.1	358.8
5,357	5,085	273	5.1	5.1	April	4,761.0	1,107.1	748.4	358.7
5,419	5,143	277	5.1	5.0	May	4,811.3	1,107.5	748.7	358.8
5,537	5,216	321	5.8	5.5	June	4,831.8	1,112.5	750.8	361.7
5,526	5,248	277	5.0	5.3	July	4,791.5	1,099.6	739.6	360.0
5,517	5,257	261	4.7	5.1	August	4,807.2	1,109.4	746.3	363.1
5,460	5,192	269	4.9	5.1	September	4,855.2	1,113.3	747.0	366.3
5,513	5,203	310	5.6	5.0	October	4,869.6	1,098.7	734.3	364.4
5,471	5,147	324	5.9	5.2	November	4,886.8	1,105.5	741.4	364.0
5,459	5,129	330	6.0	5.1	December	4,893.1	1,105.2	742.5	362.7

Nonmanufacturing Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	1987	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	1988	876.5	249.8	1,087.8	696.8
					1988				
3,666.6	19.5	188.0	215.3	259.1	December	921.4	252.4	1,101.0	710.0
					1989				
3,556.9	18.9	167.0	208.7	256.9	January	877.0	250.3	1,083.4	694.5
3,564.1	18.6	162.2	208.5	256.9	February	867.2	250.8	1,091.8	708.0
3,600.8	18.7	170.8	209.7	257.8	March	876.3	251.5	1,103.0	712.9
3,653.9	19.0	184.7	212.8	259.7	April	889.8	253.1	1,125.5	709.3
3,703.7	19.2	197.0	214.3	261.3	May	904.2	254.6	1,138.7	714.4
3,719.4	19.8	206.5	216.0	263.1	June	912.5	257.0	1,149.9	694.5
3,692.0	17.0	215.0	216.0	263.8	July	913.8	258.5	1,151.2	656.5
3,697.8	20.1	218.0	217.0	263.8	August	918.6	259.0	1,152.6	648.7
3,741.9	20.2	217.3	217.3	263.7	September	920.1	257.8	1,160.2	685.3
3,770.9	20.2	218.0	217.9	265.6	October	923.9	257.3	1,155.2	712.8
3,781.3	20.0	211.1	217.6	266.0	November	938.1	257.3	1,152.8	718.3
3,787.9	19.8	200.5	218.1	266.9	December	953.4	257.9	1,150.7	720.7

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,377.2	974.5	402.7	1978	985.5	$302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,098.9	740.4	358.4	1987	751.4	375.5	32.0
1,103.1	743.6	359.6	1988	759.1	391.7	32.6
			1988			
1,115.1	752.5	362.6	December	770.1	411.5	33.7
			1989			
1,112.2	751.4	360.8	January	766.2	404.1	33.1
1,107.3	747.9	359.4	February	762.0	400.1	32.8
1,106.9	748.1	358.8	March	761.4	400.2	32.7
1,107.1	748.4	358.7	April	761.4	397.0	32.5
1,107.5	748.7	358.8	May	761.1	397.5	32.5
1,112.5	750.8	361.7	June	764.1	402.9	32.8
1,099.6	739.6	360.0	July	750.5	383.3	31.5
1,109.4	746.3	363.1	August	759.9	391.3	32.0
1,113.3	747.0	366.3	September	764.7	404.2	32.7
1,098.7	734.3	364.4	October	751.6	393.2	31.9
1,105.5	741.4	364.0	November	758.2	399.5	32.4
1,105.2	742.5	362.7	December	758.0	398.2	32.2

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manu-facturing	Durable Goods	Nondurable Goods		Manu-facturing	Durable Goods	Nondurable Goods		Manu-facturing	Durable Goods	Nondurable Goods
$306.91	$316.83	$279.30	1978	42.1	42.3	41.5	1978	$7.29	$7.49	$6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
516.00	538.59	465.47	1988	43.0	43.4	42.2	1988	12.00	12.41	11.03
			1988				1988			
534.36	557.80	479.62	December	43.8	44.2	42.9	December	12.20	12.62	11.18
			1989				1989			
527.47	551.06	472.36	January	43.2	43.7	42.1	January	12.21	12.61	11.22
525.03	547.67	472.63	February	43.0	43.5	41.9	February	12.21	12.59	11.28
525.53	549.41	470.50	March	42.9	43.5	41.6	March	12.25	12.63	11.31
521.37	542.59	473.71	April	42.7	43.2	41.7	April	12.21	12.56	11.36
522.22	543.46	471.86	May	42.7	43.2	41.5	May	12.23	12.58	11.37
527.24	546.05	480.48	June	42.9	43.2	42.0	June	12.29	12.64	11.44
510.72	526.66	472.79	July	42.0	42.2	41.4	July	12.16	12.48	11.42
514.88	530.87	476.74	August	42.1	42.3	41.6	August	12.23	12.55	11.46
528.58	548.66	482.05	September	42.8	43.1	42.1	September	12.35	12.73	11.45
523.18	541.85	481.43	October	42.5	42.8	41.9	October	12.31	12.66	11.49
526.92	547.37	483.00	November	42.7	43.1	42.0	November	12.34	12.70	11.50
525.30	542.29	484.78	December	42.5	42.7	41.9	December	12.36	12.70	11.57

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Employment
(thousands)

	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.2	112.7	134.9	176.7	93.4	121.7	66.9	63.2	80.4
1983	52.1	104.1	129.7	154.3	89.4	132.1	63.4	62.8	82.7
1984	52.5	108.9	138.7	167.3	93.1	144.9	62.8	65.1	90.8
1985	50.4	101.8	139.5	166.2	90.7	151.2	62.9	66.8	91.4
1986	49.5	95.4	136.5	158.6	89.1	153.9	63.0	68.4	92.7
1987	48.4	95.8	133.1	155.2	86.7	149.0	63.1	70.5	91.9
1988	47.8	99.9	133.0	158.7	86.3	141.8	62.5	71.5	90.8
1988									
December	47.8	102.0	134.8	162.7	86.8	140.9	63.4	72.3	91.5
1989									
January	47.0	101.3	134.9	163.0	86.5	141.6	62.5	71.9	91.3
February	46.7	100.7	133.6	163.1	85.7	141.0	61.1	71.8	91.3
March	47.4	100.2	133.2	163.2	85.6	141.0	61.1	71.7	90.9
April	48.0	100.1	133.5	163.2	85.4	140.3	61.2	71.5	90.7
May	48.0	100.0	133.6	163.4	85.1	140.0	61.7	71.8	90.0
June	48.4	100.0	133.2	163.7	85.4	140.6	63.0	72.2	90.0
July	48.1	97.9	131.2	163.5	85.0	133.9	62.6	72.0	88.5
August	48.5	99.2	131.3	162.8	85.2	138.6	63.9	72.2	89.8
September	48.2	99.5	133.3	162.8	86.0	136.1	66.4	72.7	90.4
October	47.8	97.2	131.7	158.8	85.3	132.7	64.6	72.8	90.6
November	47.8	97.7	132.6	162.1	85.5	135.3	63.9	73.0	90.5
December	47.5	97.2	133.0	162.9	85.1	136.8	63.6	72.9	89.8

Average Weekly Earnings of Production Workers

	Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
1978	$274.81	$366.24	$307.23	$306.16	$268.45	$389.66	$281.15	$285.18	$282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1987	449.82	602.53	500.12	502.36	463.01	638.13	440.34	429.00	441.34
1988	463.30	626.44	516.77	526.48	472.50	675.24	446.04	445.22	448.24
1988									
December	463.01	636.55	531.73	549.70	484.65	721.82	456.89	463.65	459.72
1989									
January	462.34	629.95	520.22	551.15	481.38	702.15	441.08	445.02	460.42
February	463.49	619.89	512.40	543.22	470.40	714.48	440.18	451.61	451.93
March	465.38	621.72	511.20	545.43	466.34	724.23	449.35	454.31	442.68
April	470.98	624.34	512.48	541.11	464.26	683.99	455.20	447.70	446.69
May	464.88	620.64	515.82	538.74	462.73	691.75	455.10	446.18	453.05
June	472.01	632.19	507.53	536.36	460.37	712.80	469.79	447.30	462.03
July	472.01	605.52	499.62	521.00	448.34	676.24	462.00	449.26	447.72
August	476.87	612.14	490.69	519.78	458.97	688.97	468.00	450.45	446.04
September	471.16	627.64	523.98	536.98	462.56	724.36	456.12	469.57	453.69
October	481.60	609.55	509.04	535.78	466.21	714.15	455.52	469.57	442.68
November	483.15	615.63	513.89	538.65	469.70	721.18	464.10	479.45	440.35
December	478.67	606.96	505.78	548.00	473.63	698.01	473.34	479.89	433.54

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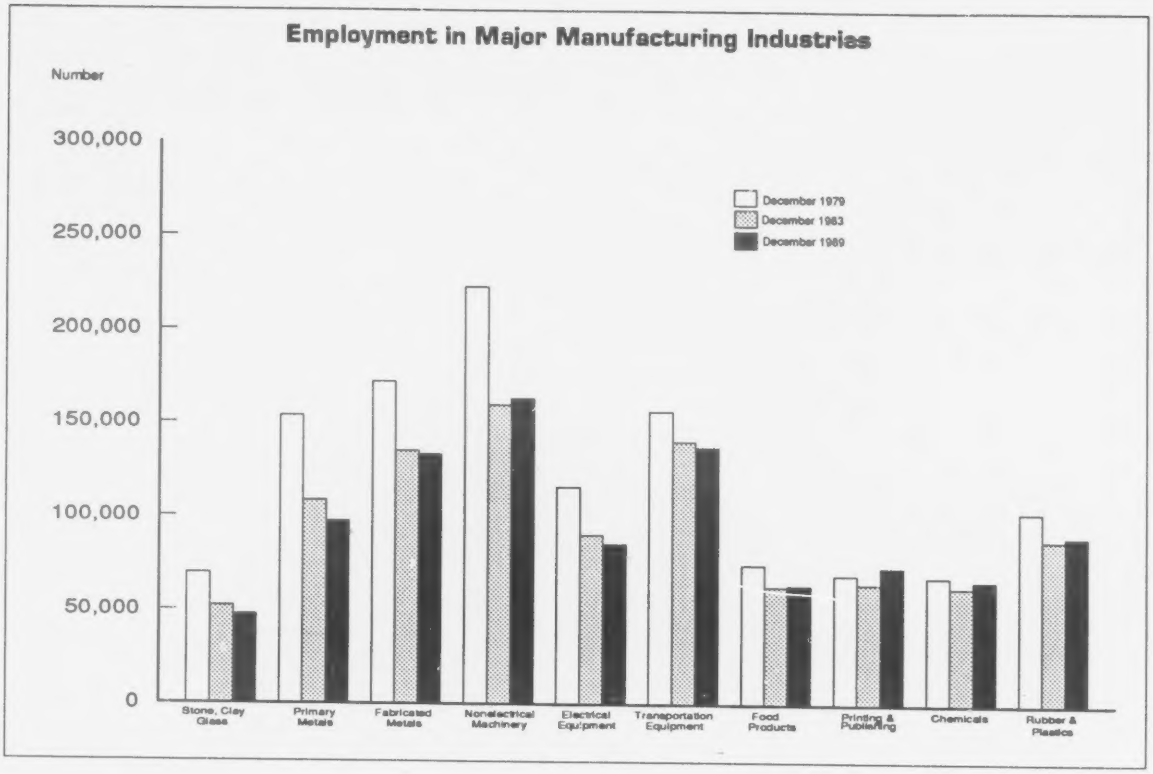
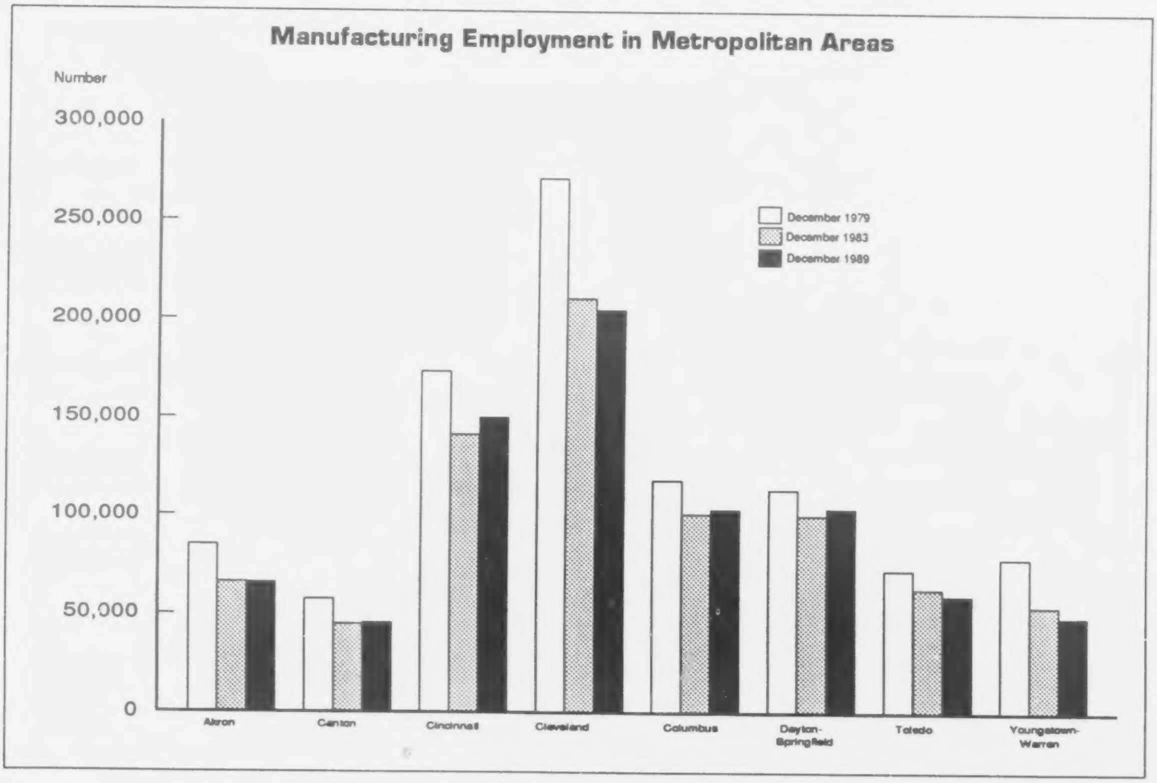
[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


Employment in Major Manufacturing Industries
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
December 1979
December 1983
December 1989
Stone, Clay Glass
Primary Metals
Fabricated Metals
Nonelectrical Machinery
Electrical Equipment
Transportation Equipment
Food Products
Printing & Publishing
Chemicals
Rubber & Plastics


Manufacturing Employment in Metropolitan Areas
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
December 1979
December 1983
December 1989
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton-Springfield
Toledo
Youngstown-Warren

Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	4893.1	4886.8	4781.8	6.3	111.3
Manufacturing	1105.2	1105.5	1115.1	-.3	-10.0
Durable Goods[e]	742.5	741.4	752.5	1.1	-10.1
Lumber and wood products	24.6	25.1	23.1	-.5	1.5
Furniture and fixtures	15.1	15.0	15.0	.1	.1
Stone, clay, and glass products	47.5	47.8	47.8	-.3	-.3
Glass and glassware, pressed or blown	8.7	8.9	8.7	-.1	.0
Primary metal industries	97.2	97.7	102.0	-.5	-4.8
Blast furnace and basic steel products	44.3	43.8	46.0	.5	-1.7
Iron and steel foundries	19.1	19.7	20.4	-.6	-1.3
Nonferrous rolling and drawing	16.6	17.1	18.1	-.5	-1.5
Fabricated metal products	133.0	132.6	134.8	.4	-1.8
Cutlery, hand tools, and hardware	9.8	9.8	10.2	.0	-.4
Fabricated structural metal products	28.2	28.3	28.5	-.1	-.3
Metal forgings and stampings	40.3	40.1	41.7	.2	-1.4
Machinery, except electrical	162.9	162.1	162.7	.8	.2
Construction and related machinery	13.9	13.8	13.5	.1	.5
Metalworking machinery	43.0	42.9	42.3	.1	.7
Special industry machinery	18.4	18.0	18.3	.4	.0
General industrial machinery	28.9	28.8	28.6	.2	.3
Office and computing machines	12.0	12.0	12.5	.0	-.5
Refrigeration and service machinery	15.5	15.7	16.4	-.1	-.8
Electric and electronic equipment	85.1	85.5	86.8	-.3	-1.6
Electrical industrial apparatus	17.7	17.7	17.4	-.1	.3
Household appliances	15.7	15.6	16.3	.2	-.6
Electric lighting and wiring equipment	16.8	16.9	17.5	-.1	-.7
Communication equipment	9.1	9.2	9.2	-.2	-.1
Transportation equipment	136.8	135.3	140.9	1.6	-4.1
Motor vehicles and equipment	91.5	90.0	94.9	1.4	-3.5
Aircraft and parts	36.7	36.6	37.4	.1	-.7
Instruments and related products	24.7	24.9	24.6	-.2	.1
Measuring and controlling devices	13.1	13.3	13.4	-.2	-.3
Nondurable Goods[f]	362.7	364.0	362.6	-1.4	.1
Food and kindred products	63.6	63.9	63.4	-.3	.2
Meat products	9.0	8.8	8.9	.1	.1
Dairy products	9.5	9.5	9.6	.0	-.1
Preserved fruits and vegetables	12.1	12.4	11.9	-.4	.2
Bakery products	9.4	9.5	9.6	-.1	-.1
Beverages	8.9	8.9	9.1	.0	-.2
Apparel and other textile products	15.9	16.1	16.0	-.3	-.2
Paper and allied products	37.2	37.2	37.5	.0	-.2
Misc. converted paper products	11.9	11.9	12.2	.0	-.3
Paperboard containers and boxes	13.5	13.5	13.2	.0	.3
Printing and publishing	72.9	73.0	72.3	-.1	.6
Newspapers	19.0	19.0	19.0	.0	.0
Commercial printing	28.6	28.7	28.4	-.1	.2
Chemicals and allied products	65.9	65.8	64.4	.0	1.4
Industrial inorganic chemicals	8.8	8.8	8.6	.0	.3
Rubber and misc. plastics products	89.8	90.5	91.5	-.7	-1.6
Tires and inner tubes	14.3	14.3	14.5	.0	-.2
Miscellaneous plastics products	55.4	55.9	56.6	-.5	-1.2

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3787.9	3781.3	3666.6	6.6	121.3
Mining	19.8	20.0	19.5	-.2	.3
Bituminous coal and lignite mining	7.9	7.9	7.8	-.1	.1
Oil and gas extraction	6.9	6.8	6.9	.1	-.1
Construction	200.5	211.1	188.0	-10.6	12.5
General building contractors	51.3	52.7	48.6	-1.4	2.7
Heavy construction contractors	22.8	26.7	22.0	-4.0	.8
Highway and street construction	7.4	10.2	7.6	-2.7	-.2
Special trade contractors	126.4	131.7	117.4	-5.3	9.0
Transportation and Public Utilities	218.1	217.6	215.3	.4	2.7
Railroad transportation	12.1	12.5	13.2	-.4	-1.1
Transportation, except railroads	118.9	118.1	114.3	.8	4.7
Trucking and warehousing	81.3	80.3	78.5	1.0	2.8
Communication, electric, gas services	87.0	87.0	87.9	.0	-.8
Communication	45.2	45.3	46.1	-.1	-.8
Electric, gas, and sanitary services	41.8	41.7	41.8	.1	.0
Wholesale Trade	266.9	266.0	259.1	.8	7.7
Wholesale trade-durable goods	168.2	168.0	163.9	.3	4.4
Motor vehicles & automotive equipment	23.3	23.2	22.6	.1	.6
Electrical goods	18.9	18.8	18.5	.0	.3
Machinery, equipment, and supplies	71.6	71.5	69.9	.1	1.6
Wholesale trade-nondurable goods	98.6	98.1	95.3	.6	3.3
Groceries and related products	31.8	31.5	30.6	.3	1.2
Retail Trade	953.4	938.1	921.4	15.3	32.0
General merchandise stores	139.4	133.3	136.5	6.2	2.9
Department stores	119.2	113.6	117.4	5.6	1.8
Food stores	151.6	149.3	147.1	2.3	4.5
Automotive dealers & service stations	100.3	100.5	96.2	-.2	4.0
Apparel and accessory stores	52.3	49.8	50.0	2.5	2.3
Eating and drinking places	308.0	307.4	302.5	.6	5.5
Finance, Insurance, and Real Estate	257.9	257.3	252.4	.6	5.5
Banking	65.2	65.0	64.2	.1	1.0
Credit agencies other than banks	38.8	38.6	38.1	.3	.7
Insurance carriers	71.3	71.3	70.5	.1	.8
Life insurance	26.4	26.3	26.1	.1	.3
Fire, marine, and casualty insurance	31.9	31.8	31.2	.0	.7
Services	1150.7	1152.8	1101.0	-2.1	49.8
Hotels and other lodging places	37.1	37.3	35.9	-.2	1.2
Personal services	60.6	60.1	57.5	.5	3.1
Laundry, cleaning, & garment services	19.8	19.9	19.2	-.1	.6
Business services	247.5	246.8	230.3	.7	17.2
Services to buildings	33.6	33.8	32.3	-.2	1.3
Computer and data processing services	24.6	24.3	22.4	.2	2.1
Amusement and recreation services	33.8	35.6	32.5	-1.8	1.3
Health services	387.8	386.9	376.3	1.0	11.5
Nursing and personal care facilities	85.4	85.2	82.9	.2	2.5
Hospitals	187.6	187.4	183.8	.2	3.8
Educational services	68.0	69.9	66.6	-2.0	1.3
Colleges and universities	37.7	39.7	37.1	-2.0	.6
Government	720.7	718.3	710.0	2.4	10.7
Federal government	95.9	95.3	95.7	.6	.2
State government	168.3	167.0	165.4	1.3	2.9
State government education[f]	93.3	92.7	91.6	.7	1.8
State government, except education	75.0	74.3	73.8	.7	1.2
Local government	456.5	456.0	448.9	.5	7.6
Local government education	269.6	269.3	264.8	.3	4.8
Local government, except education	186.9	186.7	184.1	.2	2.8

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$525.30	$526.92	$534.36	42.5	42.7	43.8	$12.36	$12.34	$12.20
Durable Goods[e]	542.29	547.37	557.80	42.7	43.1	44.2	12.70	12.70	12.62
Lumber and wood products	335.30	335.72	319.09	40.3	40.4	40.7	8.32	8.31	7.84
Furniture and fixtures	385.93	389.87	384.56	41.1	41.3	41.8	9.39	9.44	9.20
Stone, clay, and glass products	478.67	483.15	463.01	42.7	43.1	42.4	11.21	11.21	10.92
Glass and glassware, pressed or blown	498.67	504.98	469.40	41.8	42.4	40.5	11.93	11.91	11.59
Primary metal industries	606.96	615.63	636.55	43.2	43.6	45.5	14.05	14.12	13.99
Blast furnace and basic steel products	614.47	615.33	643.58	43.0	43.0	45.1	14.29	14.31	14.27
Iron and steel foundries	634.35	631.04	705.43	43.3	43.4	47.6	14.65	14.54	14.82
Nonferrous rolling and drawing	632.26	687.74	653.83	40.4	43.2	43.1	15.65	15.92	15.17
Fabricated metal products	505.78	513.89	531.73	41.8	42.4	43.8	12.10	12.12	12.14
Cutlery, hand tools, and hardware	519.55	519.17	520.42	41.3	41.6	41.6	12.58	12.48	12.51
Fabricated structural metal products	472.86	494.31	462.58	42.6	43.9	42.4	11.10	11.26	10.91
Metal forgings and stampings	611.53	618.85	659.13	41.8	42.3	44.9	14.63	14.63	14.68
Machinery, except electrical	548.00	538.65	549.70	43.7	43.3	44.8	12.54	12.44	12.27
Construction and related machinery	465.75	467.04	432.48	41.4	41.7	40.8	11.25	11.20	10.60
Metalworking machinery	533.27	528.66	534.28	44.7	44.5	45.9	11.93	11.88	11.64
Special industry machinery	554.94	535.19	526.44	46.4	45.9	45.5	11.96	11.66	11.57
General industrial machinery	558.11	552.93	597.76	42.8	42.5	45.7	13.04	13.01	13.08
Office and computing machines	481.81	470.40	470.90	42.6	42.0	42.5	11.31	11.20	11.08
Refrigeration and service machinery	581.42	574.48	587.42	41.5	41.3	42.2	14.01	13.91	13.92
Electric and electronic equipment	473.63	469.70	484.65	42.1	41.9	42.7	11.25	11.21	11.35
Electrical industrial apparatus	503.55	499.07	502.85	45.0	44.8	44.5	11.19	11.14	11.30
Household appliances	487.23	465.66	500.58	40.3	39.0	41.2	12.09	11.94	12.15
Electric lighting and wiring equipment	467.02	474.16	499.38	40.4	40.7	42.5	11.56	11.65	11.75
Communication equipment	574.91	579.94	485.85	45.7	46.1	41.0	12.58	12.58	11.85
Transportation equipment	698.01	721.18	721.82	43.9	45.3	46.3	15.90	15.92	15.59
Motor vehicles and equipment	731.44	742.11	758.78	44.6	45.5	47.1	16.40	16.31	16.11
Aircraft and parts	614.66	706.67	633.09	42.1	46.4	44.9	14.60	15.23	14.10
Instruments and related products	391.40	382.73	381.30	41.2	40.5	41.0	9.50	9.45	9.30
Measuring and controlling devices	369.21	370.76	378.68	38.3	38.5	40.5	9.64	9.63	9.35
Nondurable Goods[f]	484.78	483.00	479.62	41.9	42.0	42.9	11.57	11.50	11.18
Food and kindred products	473.34	464.10	456.89	42.3	42.0	42.7	11.19	11.05	10.70
Meat products	373.27	376.80	380.84	41.2	42.1	42.6	9.06	8.95	8.94
Dairy products	503.69	480.31	464.38	44.3	43.0	43.4	11.37	11.17	10.70
Preserved fruits and vegetables	507.10	480.24	488.78	42.4	41.4	42.8	11.96	11.60	11.42
Bakery products	487.83	494.83	472.03	39.5	40.1	39.7	12.35	12.34	11.89
Beverages	465.62	438.45	429.72	42.6	40.9	41.2	10.93	10.72	10.43
Apparel and other textile products	297.79	299.13	310.13	39.6	39.0	40.7	7.52	7.67	7.62
Paper and allied products	512.82	506.00	517.34	44.4	44.0	45.5	11.55	11.50	11.37
Misc. converted paper products	474.82	465.52	446.66	44.5	44.0	44.4	10.67	10.58	10.06
Paperboard containers and boxes	448.76	436.39	452.32	43.4	42.7	44.0	10.34	10.22	10.28
Printing and publishing	479.89	479.45	463.65	40.6	40.7	40.6	11.82	11.78	11.42
Newspapers	408.92	401.70	394.24	35.1	34.9	35.2	11.65	11.51	11.20
Commercial printing	480.66	484.79	467.50	42.2	42.6	42.5	11.39	11.38	11.00
Chemicals and allied products	605.33	589.16	571.43	43.3	42.6	42.9	13.98	13.83	13.32
Industrial inorganic chemicals	627.25	630.09	597.76	44.9	45.2	43.6	13.97	13.94	13.71
Rubber and misc. plastics products	433.54	440.35	459.72	40.9	41.7	43.7	10.60	10.56	10.52
Tires and inner tubes	699.78	696.87	679.21	44.8	44.7	45.8	15.62	15.59	14.83
Miscellaneous plastics products	412.27	416.97	449.83	40.3	41.0	43.8	10.23	10.17	10.27

See footnotes on page 13.

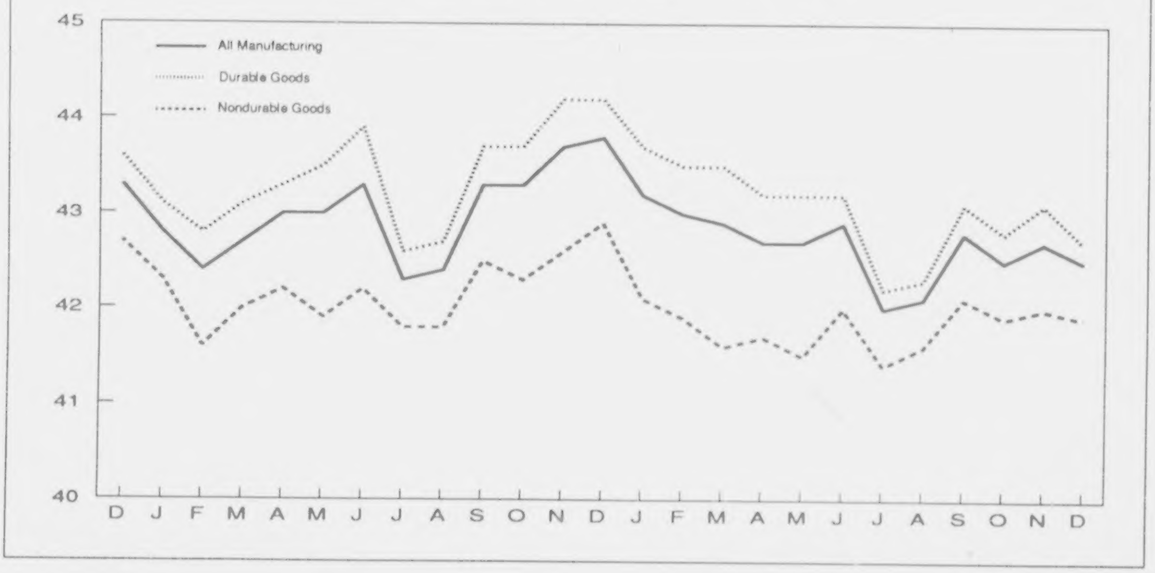
Hours and Earnings of Production or Nonsupervisory Workers[a]

Ohio (continued)

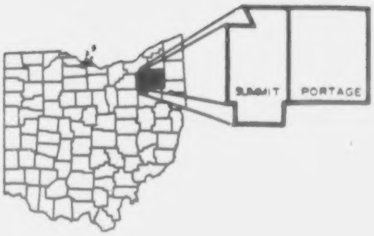
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Mining	$603.19	$606.13	$547.41	43.9	44.7	42.7	$13.74	$13.56	$12.82
Bituminous coal and lignite mining	762.72	740.93	672.08	45.4	44.5	41.9	16.80	16.65	16.04
Construction	601.39	603.34	589.72	38.6	38.9	38.9	15.58	15.51	15.16
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	595.73	595.73	568.58	41.0	41.0	40.7	14.53	14.53	13.97
Communication	572.67	573.68	543.20	40.5	40.6	40.0	14.14	14.13	13.58
Electric, gas, and sanitary services	620.84	619.76	598.02	41.5	41.4	41.5	14.96	14.97	14.41
Wholesale Trade	409.64	409.64	400.07	39.2	39.2	39.3	10.45	10.45	10.18
Wholesale trade-durable goods	401.95	398.97	391.43	39.1	39.0	39.3	10.28	10.23	9.96
Wholesale trade-nondurable goods	423.16	427.39	414.62	39.4	39.5	39.3	10.74	10.82	10.55
Retail Trade[h]	178.41	174.78	174.64	28.5	28.1	29.4	6.26	6.22	5.94
General merchandise stores	192.34	180.96	195.63	29.5	28.1	31.3	6.52	6.44	6.25
Department stores	196.18	184.71	201.61	29.5	28.2	31.6	6.65	6.55	6.38
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	272.02	272.20	268.05	....	....	....	.....	.....	.....
Credit agencies other than banks	280.86	282.13	275.14	....	....	....	.....	.....	.....
Insurance carriers	397.60	397.32	383.22	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	362.51	361.40	341.45	32.6	32.5	32.8	11.12	11.12	10.41

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

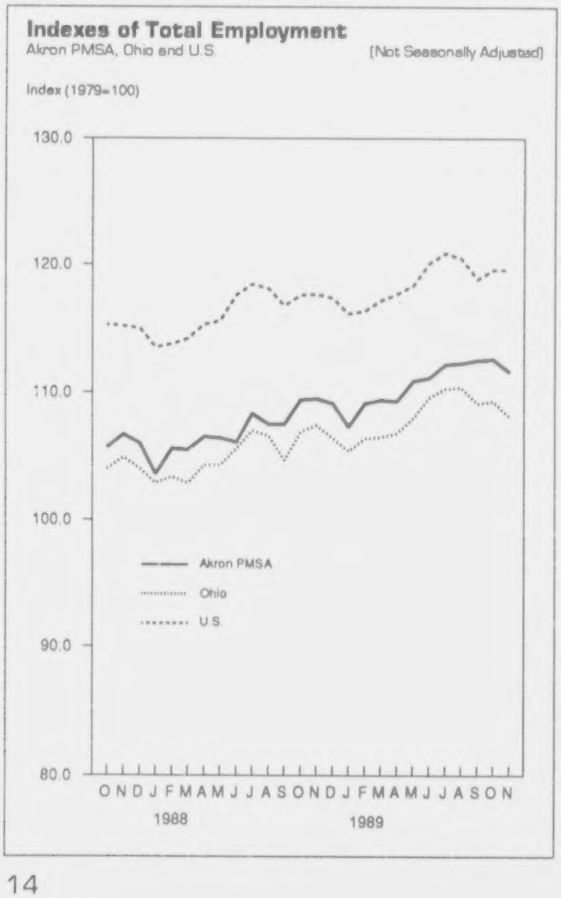


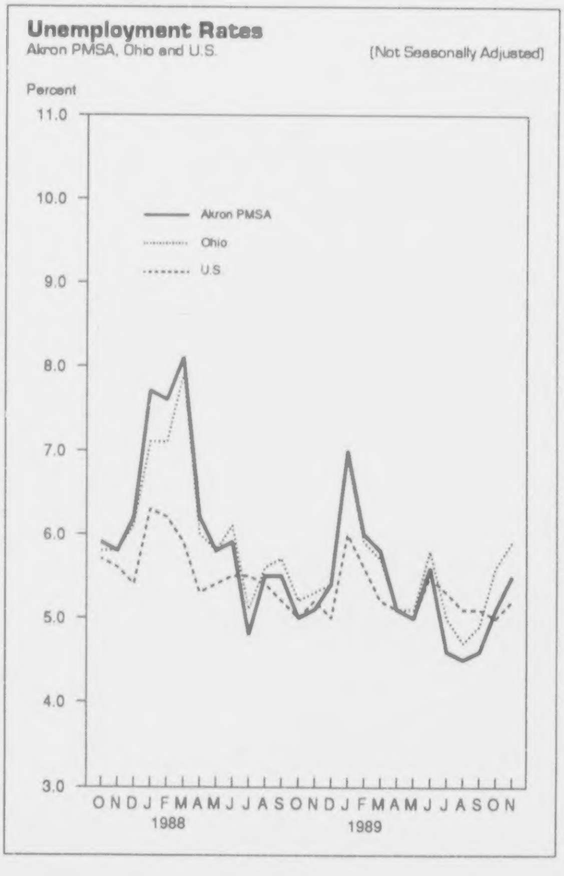
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm wage and salary employment in the Akron metropolitan area increased 100 from November to 288,000 in December 1989. Seasonal growth in retail trade offset a seasonal decrease in construction. Although rubber and miscellaneous plastics products declined 200, manufacturing employment was unchanged over the month at 65,800. Factory production workers averaged $11.65 per hour, up $.07 from November. Their average workweek of 42.5 hours was .1 hours shorter.

Nonagricultural payroll employment advanced 8,300 between December 1988 and December 1989. Nonmanufacturing employment increased 9,100 due chiefly to expansion in services (+3,700) and retail trade (+2,700). Scattered reductions among producers of durable goods, especially nonelectrical machinery, lowered manufacturing employment 800 over the year.

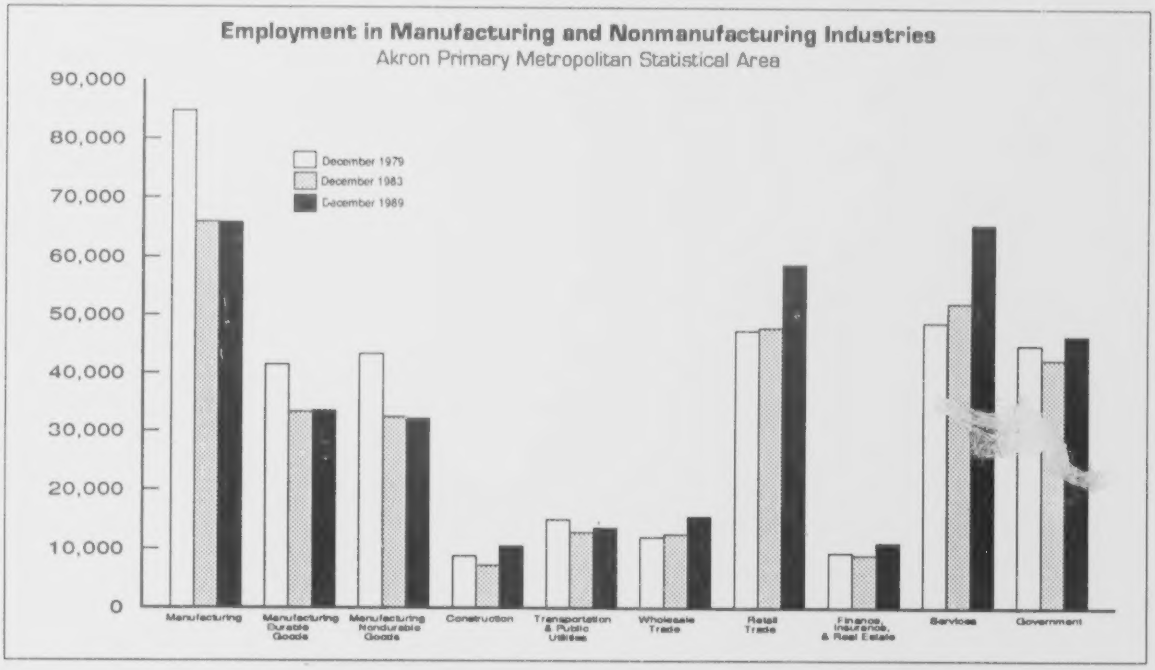

Indexes of Total Employment
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
Total	Employed	Unemployed						Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
298.9	282.2	16.7	5.6	**1978**	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	**1979**	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	**1980**	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	**1981**	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	**1982**	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	**1983**	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	**1984**	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	**1985**	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	**1986**	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	**1987**	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	**1988**	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
329.3	312.4	16.9	5.1	**November**	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	**December**	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	**January**	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	**February**	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	**March**	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	**April**	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	**May**	283.1	66.0	38.8	488.62	42.6	11.47
335.7	317.0	18.7	5.6	**June**	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	**July**	278.6	66.3	38.8	471.92	41.8	11.29
335.6	320.6	15.0	4.5	**August**	278.9	66.0	38.6	480.95	42.3	11.37
336.5	321.1	15.4	4.6	**September**	286.8	66.0	38.8	503.10	43.0	11.70
338.9	321.5	17.3	5.1	**October**	287.3	65.9	38.7	487.52	42.1	11.58
337.1	318.4	18.7	5.5	**November**	287.8	65.7	38.6	493.31	42.6	11.58
INA	INA	INA	INA	**December**	288.0	65.8	38.7	495.13	42.5	11.65

INA – information not available



Employment in Manufacturing and Nonmanufacturing Industries
Akron Primary Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	288.0	287.8	279.7	.1	8.3
Manufacturing	65.8	65.7	66.6	.0	-.8
Durable Goods[e]	33.6	33.6	34.7	.0	-1.1
Fabricated metal products	11.0	11.0	11.0	.0	.0
Machinery, except electrical	9.6	9.7	9.9	.0	-.3
Metalworking machinery	3.5	3.5	3.5	.0	.0
Nondurable Goods[f]	32.2	32.2	31.9	.0	.3
Food and kindred products	2.9	2.9	2.9	.0	.0
Chemicals and allied products	3.5	3.4	3.5	.1	.0
Rubber and misc. plastics products	19.2	19.3	19.3	-.2	-.1
Tires and inner tubes	10.0	10.0	10.3	.0	-.3
Nonmanufacturing[g]	222.2	222.1	213.1	.1	9.1
Construction	10.4	11.3	10.0	-.9	.5
Transportation and Public Utilities	13.6	13.6	13.2	.0	.4
Communication, electric, gas services	4.7	4.7	4.9	.0	-.2
Wholesale Trade	15.5	15.4	14.9	.0	.6
Retail Trade	58.8	57.9	56.1	.9	2.7
General merchandise stores	7.7	7.4	7.7	.3	.0
Finance, Insurance, and Real Estate	11.0	11.0	10.6	.0	.4
Banking	3.2	3.2	3.1	.0	.1
Services	65.6	65.6	61.9	-.1	3.7
Business services	15.2	15.0	13.6	.2	1.5
Amusement and recreation services	3.1	3.2	2.8	-.1	.3
Health services	21.0	20.9	20.4	.1	.6
Government	46.6	46.4	45.7	.1	.8
State government	17.6	17.5	17.2	.1	.4
State government education[i]	14.7	14.7	14.3	.1	.5
State government, except education	2.8	2.8	2.9	.0	-.1
Local government	26.4	26.4	26.0	.0	.4
Local government education	15.2	15.0	14.9	.2	.3
Local government, except education	11.2	11.4	11.1	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$495.13	$493.31	$493.06	42.5	42.6	43.1	$11.65	$11.58	$11.44
Durable Goods[e]	518.40	511.27	511.37	43.2	43.0	43.3	12.00	11.89	11.81
Fabricated metal products	604.89	623.22	625.56	42.3	43.4	42.7	14.30	14.36	14.65
Machinery, except electrical	508.20	479.45	469.20	46.2	44.6	46.0	11.00	10.75	10.20
Metalworking machinery	510.76	509.18	502.67	45.2	45.1	46.5	11.30	11.29	10.81
Nondurable Goods[f]	464.26	468.72	468.90	41.6	42.0	42.9	11.16	11.16	10.93
Food and kindred products	390.67	419.25	432.55	40.4	43.0	41.0	9.67	9.75	10.55
Chemicals and allied products	520 22	539.09	510.77	43.1	43.9	42.6	12.07	12.28	11.99
Rubber and misc. plastics products	475.44	476.58	488.84	42.0	42.4	44.4	11.32	11.24	11.01
Tires and inner tubes	779.73	779.73	816.68	47.4	47.4	50.6	16.45	16.45	16.14
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	606.92	604.82	574.06	41.4	41.2	40.8	14.66	14.68	14.07
Wholesale Trade	358.07	356.36	344.65	36.5	36.7	36.9	9.81	9.71	9.34
Retail Trade[h]	211.90	205.08	211.12	31.3	30.7	33.3	6.77	6.68	6.34

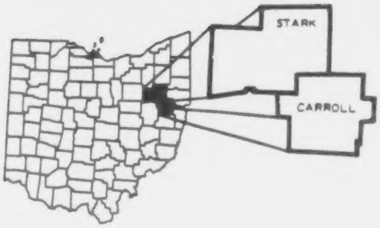
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	1,343	1,838	2,078
Active File of Job Seekers	9,018	9,639	14,509
Referrals to Jobs	595	735	782
Placements	103	166	128
Job Openings Received	259	307	264
Job Openings Unfilled	655	979	663
Unemployment Insurance Program			
Initial Claims	5,501	3,059	4,608
Continued Claims	23,756	18,647	24,012
First Payments	1,867	1,176	2,515
Last Payments	309	290	316
Weeks Compensated	19,346	15,304	20,584
Benefits Paid	$3,097,083	$2,414,304	$3,078,614
Average Weekly Payment	$167.88	$165.78	$155.52

CANTON
METROPOLITAN
STATISTICAL
AREA

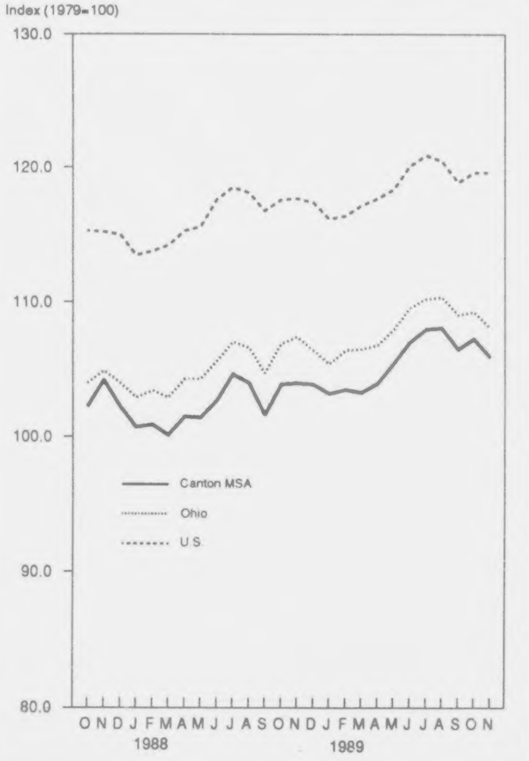


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

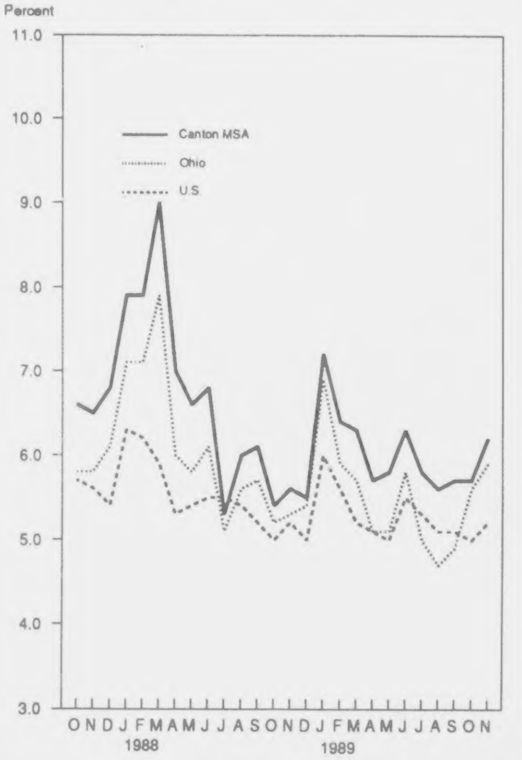
In the Canton metropolitan area, nonagricultural payroll employment rose 600 above the November level to 167,900 in December 1989. Seasonal hirings in retail trade and a slight improvement in local government more than offset a decrease in construction. Manufacturing employment was unchanged over the month at 45,400. A decline in rubber and miscellaneous plastics products negated an increase in food and kindred products. Factory production workers averaged $11.79 per hour, down $.05 from November. Their average workweek of 41.7 hours was .3 hours longer.

Nonfarm wage and salary employment advanced 4,900 between December 1988 and December 1989. Leading growth industries were services (+2,200) and retail trade (+1,400). Moderate improvement also occurred in construction. The manufacturing workforce lost 300 jobs during the period. Reductions in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products outweighed a modest gain in food and kindred products.

Indexes of Total Employment
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]



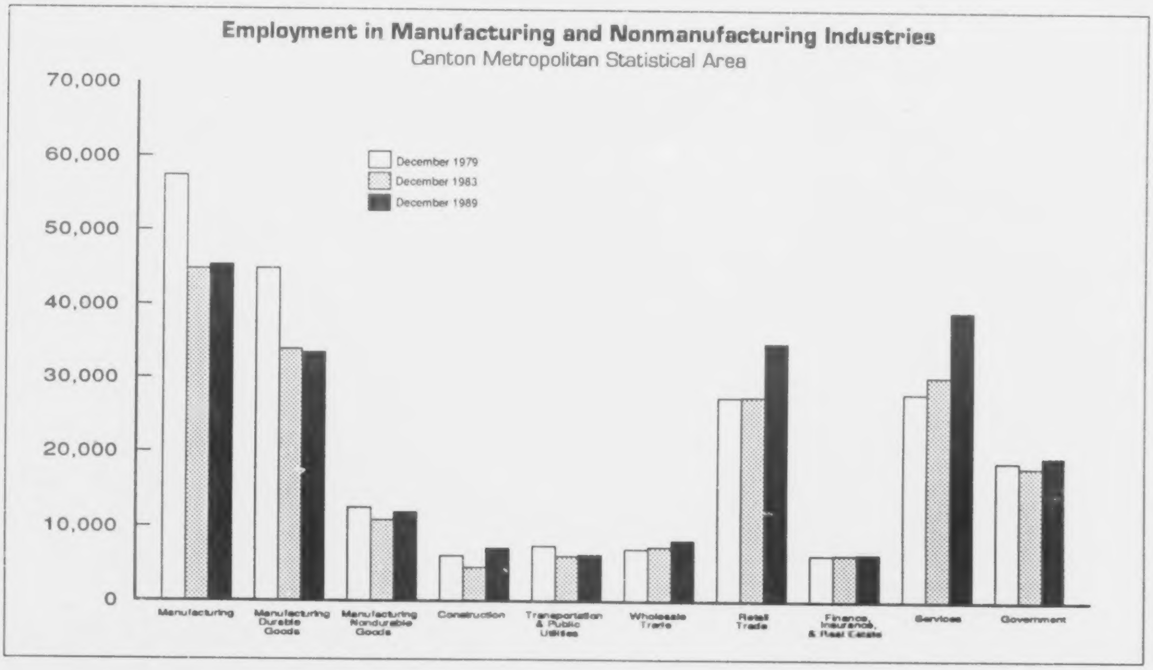
Unemployment Rates
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]



Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
179.9	170.0	9.9	5.5	**1978**	156.1	57.1	42.2	$304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	**1979**	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	**1980**	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	**1981**	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	**1982**	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	**1983**	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	**1984**	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	**1985**	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	**1986**	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	**1987**	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	**1988**	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
191.4	180.7	10.7	5.6	**November**	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	**December**	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	**January**	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	**February**	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	**March**	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	**April**	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	**May**	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	**June**	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	**July**	165.2	45.4	32.5	482.10	41.1	11.73
198.7	187.7	11.0	5.6	**August**	165.1	45.5	32.7	496.44	42.0	11.82
196.1	185.0	11.1	5.7	**September**	166.5	45.6	32.7	495.26	41.9	11.82
197.6	186.3	11.3	5.7	**October**	163.0	40.8	27.7	476.74	41.6	11.46
196.2	184.0	12.2	6.2	**November**	167.3	45.4	32.3	490.18	41.4	11.84
INA	INA	INA	INA	**December**	167.9	45.4	32.3	491.64	41.7	11.79

INA – information not available


Employment in Manufacturing and Nonmanufacturing Industries
Canton Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	167.9	167.3	163.0	.6	4.9
Manufacturing	45.4	45.4	45.7	.0	-.3
Durable Goods[e]	33.5	33.5	33.8	.0	-.3
Primary metal industries	11.3	11.3	11.4	.0	-.1
Fabricated metal products	6.4	6.4	6.6	.0	-.2
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.9	11.9	11.9	.0	.0
Food and kindred products	3.5	3.4	3.3	.1	.2
Rubber and misc. plastics products	2.9	2.9	3.0	-.1	-.1
Nonmanufacturing[g]	122.5	121.9	117.4	.7	5.2
Construction	7.1	7.4	6.4	-.3	.7
Transportation and Public Utilities	6.2	6.2	6.0	.0	.2
Communication, electric, gas services	2.7	2.7	2.8	.0	.0
Wholesale Trade	8.2	8.1	8.1	.1	.1
Wholesale trade-durable goods	4.4	4.4	4.5	.0	.0
Retail Trade	34.8	34.2	33.4	.6	1.4
General merchandise stores	4.6	4.4	4.6	.1	.0
Food stores	5.9	5.8	5.7	.1	.2
Finance, Insurance, and Real Estate	6.4	6.4	6.3	.0	.1
Banking	1.9	1.9	1.8	.0	.1
Services	39.2	39.3	37.0	-.1	2.2
Health services	15.6	15.6	15.3	.0	.3
Government	19.6	19.3	19.3	.3	.4
State government (includes education)	1.7	1.7	1.7	.0	-.1
Local government	16.6	16.4	16.1	.2	.5
Local government education	10.1	10.0	9.9	.1	.2
Local government, except education	6.5	6.3	6.2	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$491.64	$490.18	$499.23	41.7	41.4	43.0	$11.79	$11.84	$11.61
Durable Goods[e]	521.52	520.78	534.49	42.4	42.1	44.1	12.30	12.37	12.12
Primary metal industries	589.11	588.12	594.69	43.8	43.5	45.5	13.45	13.52	13.07
Fabricated metal products	483.60	487.99	522.71	40.3	40.7	44.6	12.00	11.99	11.72
Metal forgings and stampings	542.87	538.39	597.06	39.8	39.5	42.8	13.64	13.63	13.95
Nondurable Goods[f]	398.56	395.14	390.25	39.5	39.2	39.7	10.09	10.08	9.83
Food and kindred products	426.13	411.95	395.18	39.9	38.5	39.4	10.68	10.70	10.03
Rubber and misc. plastics products	403.38	398.13	389.70	41.5	41.3	40.3	9.72	9.64	9.67
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	593.46	586.04	563.18	40.9	40.5	40.4	14.51	14.47	13.94
Wholesale Trade	379.55	369.08	387.22	38.3	37.7	38.0	9.91	9.79	10.19
Retail Trade[h]	174.82	170.08	164.64	28.8	28.3	29.4	6.07	6.01	5.60

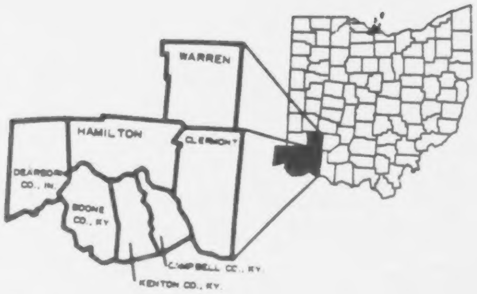
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

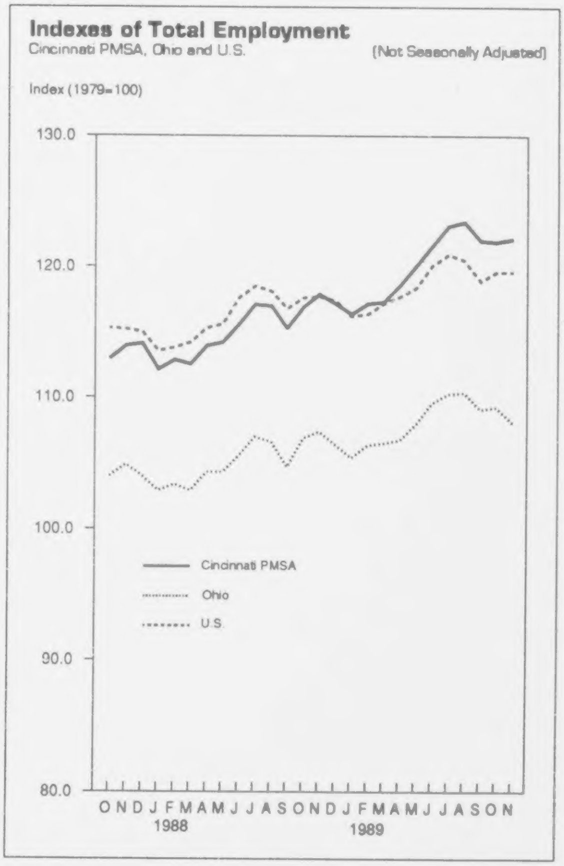
	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	1,109	962	1,256
Active File of Job Seekers	6,877	7,457	10,951
Referrals to Jobs	352	440	569
Placements	24	146	101
Job Openings Received	119	138	241
Job Openings Unfilled	180	256	1,588
Unemployment Insurance Program			
Initial Claims	4,933	4,069	2,610
Continued Claims	17,765	14,163	12,311
First Payments	1,749	978	1,173
Last Payments	189	197	155
Weeks Compensated	14,515	11,235	10,658
Benefits Paid	$2,384,090	$1,799,668	$1,511,078
Average Weekly Payment	$179.77	$174.65	$146.17

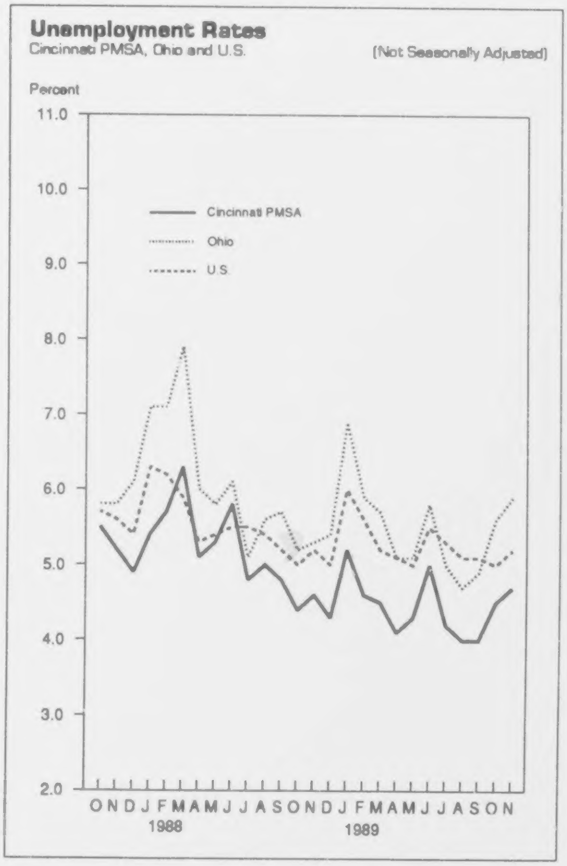
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 754,400 in December 1989, increasing 3,900 above the November level. Seasonal hirings in retail trade, especially general merchandise stores, and more business in services more than offset a decline in construction. Manufacturing employment, at 150,100, gained 200 over the month due to marginal improvements among producers of nondurable goods. Factory production workers averaged $11.57 per hour, $.08 lower than November. Their average workweek of 43.2 hours was .4 hours shorter.

Nonfarm wage and salary employment advanced 35,800 between December 1988 and December 1989. Primary growth sectors were services and retail trade. Noteworthy expansion also occurred in construction, transportation and public utilities, local government, and wholesale trade. Manufacturing employment increased 3,500 during the period. Moderate improvements were recorded in chemicals and allied products, nonelectrical machinery, electric and electronic equipment, transportation equipment, and food and kindred products.


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
648.3	615.8	32.5	5.0	**1978**	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	**1979**	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	**1980**	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	**1981**	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	**1982**	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	**1983**	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	**1984**	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	**1985**	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	**1986**	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	**1987**	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	**1988**	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
776.3	740.8	35.5	4.6	**November**	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	**December**	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	**January**	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	**February**	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	**March**	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	**April**	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	**May**	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	**June**	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	**July**	733.8	147.5	92.7	481.08	42.2	11.40
806.8	774.8	32.0	4.0	**August**	736.7	148.5	93.5	500.69	43.2	11.59
798.2	766.2	32.0	4.0	**September**	744.5	149.6	94.5	501.85	43.3	11.59
801.6	765.6	36.0	4.5	**October**	745.6	149.5	94.7	502.71	43.3	11.61
804.4	766.9	37.5	4.7	**November**	750.4	149.9	94.9	507.94	43.6	11.65
INA	INA	INA	INA	**December**	754.4	150.1	95.2	499.82	43.2	11.57

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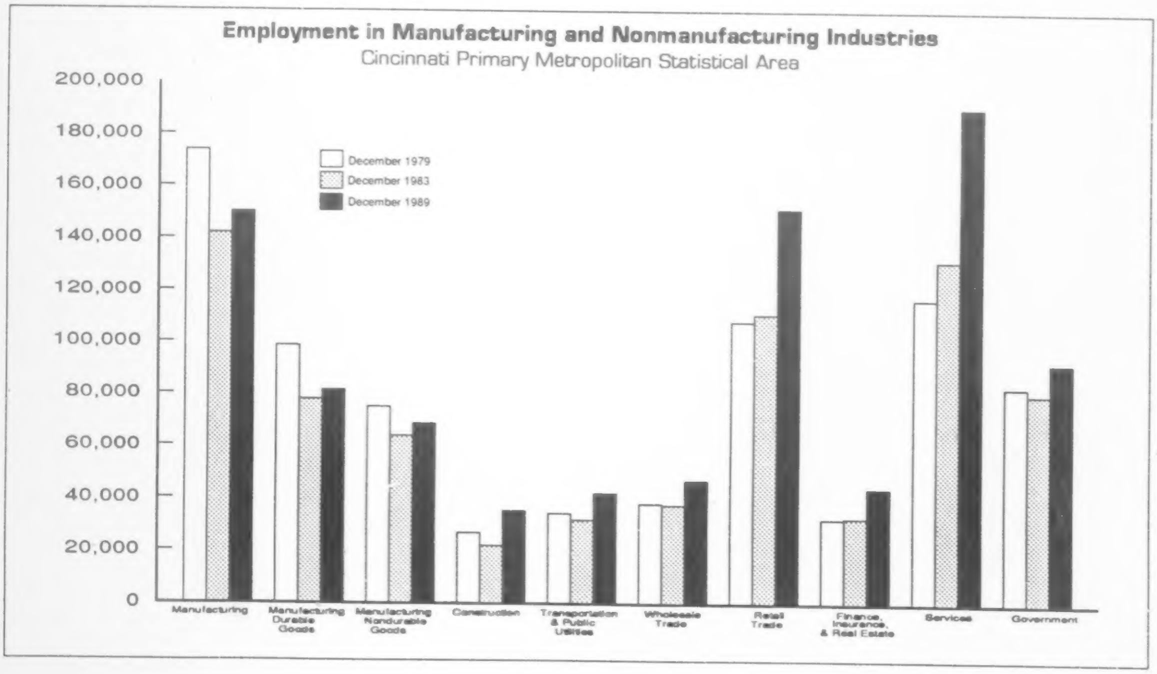


Employment in Manufacturing and Nonmanufacturing Industries
Cincinnati Primary Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	754.4	750.4	718.6	3.9	35.8
Manufacturing	150.1	149.9	146.6	.2	3.5
Durable Goods[e]	81.5	81.5	79.4	.0	2.1
Fabricated metal products	10.8	10.9	11.0	-.1	-.2
Fabricated structural metal products	3.8	3.8	3.9	.0	-.1
Machinery, except electrical	21.7	21.7	21.2	.0	.5
Metalworking machinery	8.7	8.7	8.7	.0	.0
General industrial machinery	3.1	3.1	3.1	.0	.0
Electric and electronic equipment	9.3	9.3	8.8	.0	.5
Transportation equipment	24.4	24.3	23.9	.1	.5
Motor vehicles and equipment	5.0	5.0	5.1	.0	-.1
Nondurable Goods[f]	68.6	68.4	67.1	.2	1.5
Food and kindred products	13.7	13.6	13.2	.1	.5
Beverages	3.4	3.4	3.5	.0	-.1
Apparel and other textile products	3.7	3.7	3.5	.1	.2
Paper and allied products	6.3	6.3	6.1	.0	.2
Printing and publishing	13.8	13.7	13.6	.1	.2
Commercial printing	6.4	6.4	6.2	.0	.2
Chemicals and allied products	22.8	22.8	22.3[j]	.1	.6
Rubber and misc. plastics products	6.1	6.3	6.2	-.1	-.1
Nonmanufacturing[g]	604.3	600.6	572.0	3.7	32.3
Construction	35.3	36.7	32.6	-1.4	2.7
Transportation and Public Utilities	42.2	42.1	39.6	.1	2.6
Trucking and warehousing	12.2	12.2	11.4	.0	.9
Communication, electric, gas services	16.1	16.1	15.4	.0	.7
Wholesale Trade	47.1	46.9	45.5	.3	1.7
Wholesale trade-durable goods	27.5	27.4	26.7	.1	.8
Retail Trade	151.7	148.8	143.6	2.9	8.1
General merchandise stores	23.6	22.3	22.8	1.3	.8
Finance, Insurance, and Real Estate	44.2	44.0	43.0	.2	1.2
Banking	9.5	9.5	9.2	.1	.3
Insurance carriers	14.6	14.5	14.5	.1	.0
Services	190.8	189.8	177.2	.9	13.6
Hotels and other lodging places	7.8	7.8	7.3	.0	.5
Personal services	10.0	9.9	9.1	.1	.9
Business services	48.9	48.6	44.8	.3	4.1
Amusement and recreation services	10.6	10.0	7.0	.5	3.5
Health services	56.4	56.2	54.5	.3	1.9
Hospitals	27.0	26.9	26.1	.1	.9
Government	92.4	91.7	90.0	.7	2.4
Federal government	15.6	15.2	15.6	.4	.0
State government	21.5	21.5	20.7	-.1	.8
State government education[i]	13.3	13.4	12.9	-.1	.4
State government, except education	8.1	8.1	7.8	.0	.3
Local government	55.3	55.0	53.7	.3	1.6
Local government education	31.6	31.2	30.9	.4	.6
Local government, except education	23.7	23.8	22.8	-.1	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$499.82	$507.94	$492.86	43.2	43.6	43.5	$11.57	$11.65	$11.33
Durable Goods[e]	489.72	510.95	497.39	43.3	44.2	43.9	11.31	11.56	11.33
Fabricated metal products	429.90	426.38	450.66	43.6	43.2	44.4	9.86	9.87	10.15
Fabricated structural metal products	476.71	483.21	509.03	45.1	45.5	46.7	10.57	10.62	10.90
Machinery, except electrical	452.60	444.32	435.37	42.9	42.6	42.6	10.55	10.43	10.22
Metalworking machinery	510.60	498.08	483.04	44.4	43.5	43.4	11.50	11.45	11.13
General industrial machinery	440.54	423.12	441.32	41.6	41.0	44.0	10.59	10.32	10.03
Electric and electronic equipment	386.32	377.57	379.26	41.9	41.4	42.0	9.22	9.12	9.03
Transportation equipment	728.16	843.48	761.43	44.7	49.5	47.5	16.29	17.04	16.03
Motor vehicles and equipment	886.83	938.79	906.24	48.7	51.3	51.2	18.21	18.30	17.70
Nondurable Goods[f]	508.26	503.65	488.75	43.0	42.9	43.1	11.82	11.74	11.34
Food and kindred products	502.98	515.37	503.76	43.1	44.2	42.8	11.67	11.66	11.77
Beverages	571.97	561.08	512.94	43.2	42.7	41.2	13.24	13.14	12.45
Apparel and other textile products	267.81	248.84	237.40	40.7	38.7	39.5	6.58	6.43	6.01
Paper and allied products	466.34	476.72	451.53	43.3	44.1	43.5	10.77	10.81	10.38
Printing and publishing	511.70	503.29	473.52	43.0	42.4	41.5	11.90	11.87	11.41
Commercial printing	540.45	523.41	517.36	45.0	43.8	44.6	12.01	11.95	11.60
Chemicals and allied products	617.48	595.35	577.26	43.7	42.8	43.6	14.13	13.91	13.24
Rubber and misc. plastics products	401.53	413.17	444.13	42.4	43.4	46.8	9.47	9.52	9.49
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	579.22	583.20	572.02	39.7	40.0	40.8	14.59	14.58	14.02
Wholesale Trade	417.78	419.09	416.07	39.6	39.8	41.4	10.55	10.53	10.05
Retail Trade[h]	174.82	171.60	171.69	28.8	28.6	29.5	6.07	6.00	5.82
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	268.78	270.36	262.76	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

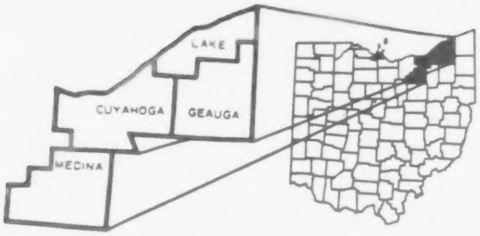
Selected Administrative Program Activities[a]

Cincinnati PMSA

	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	2,063	2,553	2,528
Active File of Job Seekers	11,607	13,078	17,360
Referrals to Jobs	1,276	1,621	1,374
Placements	303	233	305
Job Openings Received	469	936	522
Job Openings Unfilled	1,570	2,092	1,667
Unemployment Insurance Program			
Initial Claims	5,803	4,156	4,914
Continued Claims	29,922	27,058	30,596
First Payments	2,094	1,608	2,485
Last Payments	443	487	515
Weeks Compensated	24,979	23,033	26,292
Benefits Paid	$3,931,819	$3,594,330	$3,912,244
Average Weekly Payment	$163.53	$164.11	$152.80

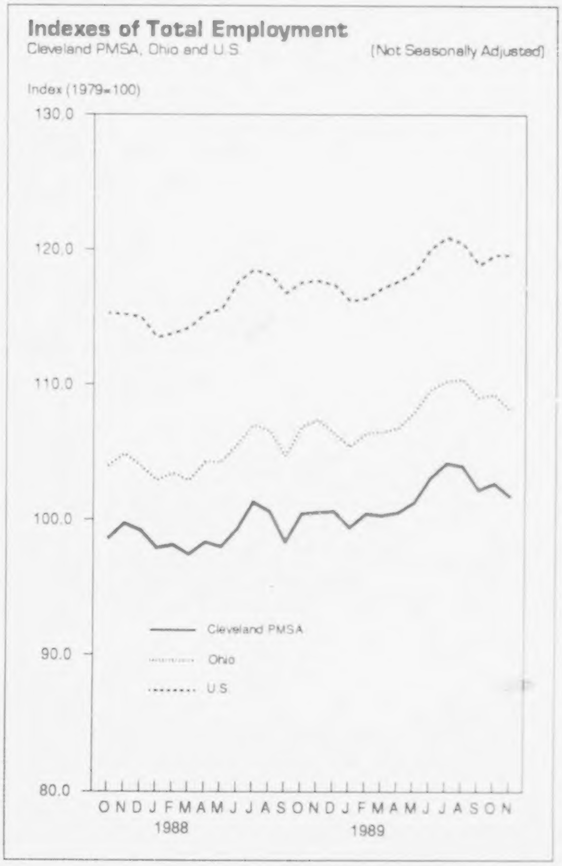
[a] Ohio data only

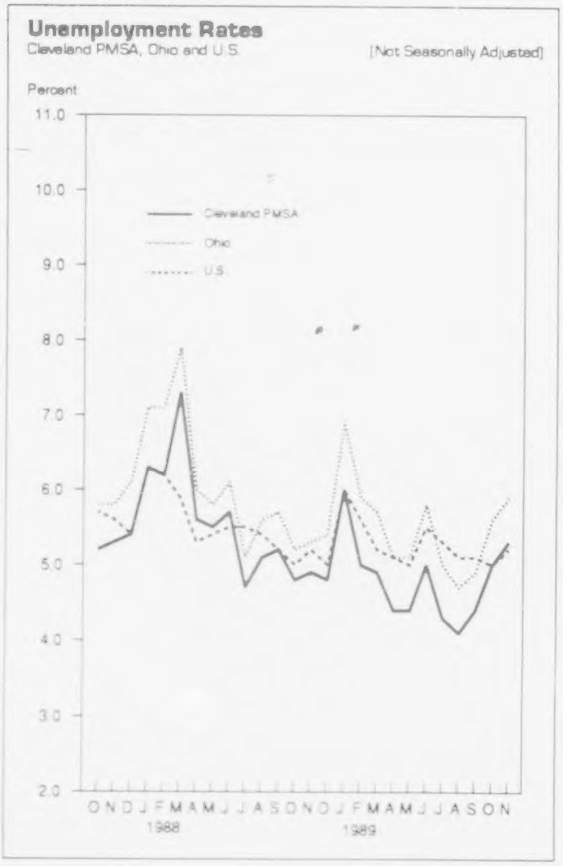
CLEVELAND
PRIMARY
METROPOLITAN
STATISTICAL
AREA



Total nonfarm payroll employment in the Cleveland metropolitan area rose 4,100 above the November level to 945,100 in December 1989. More business in retail trade, especially general merchandise stores, overshadowed a seasonal decline in construction. Manufacturing employment increased 400 to 205,100. Marginal growth in fabricated metal products, transportation equipment, and rubber and miscellaneous plastics products more than offset decreases in nonelectrical machinery and chemicals and allied products. Factory production workers averaged $12.08 per hour, $.05 higher than November. Their average workweek was .1 hours shorter at 42.8 hours.

Nonagricultural wage and salary employment advanced 20,700 between December 1988 and December 1989. The leading growth industries were services and retail trade. Marked expansion also occurred in finance, insurance, and real estate, local government, wholesale trade, and construction. The manufacturing workforce lost 300 jobs during the period due to reductions in transportation equipment, primary metal industries, and apparel and other textile products. Employment in printing and publishing, instruments and related products, and chemicals and allied products increased.



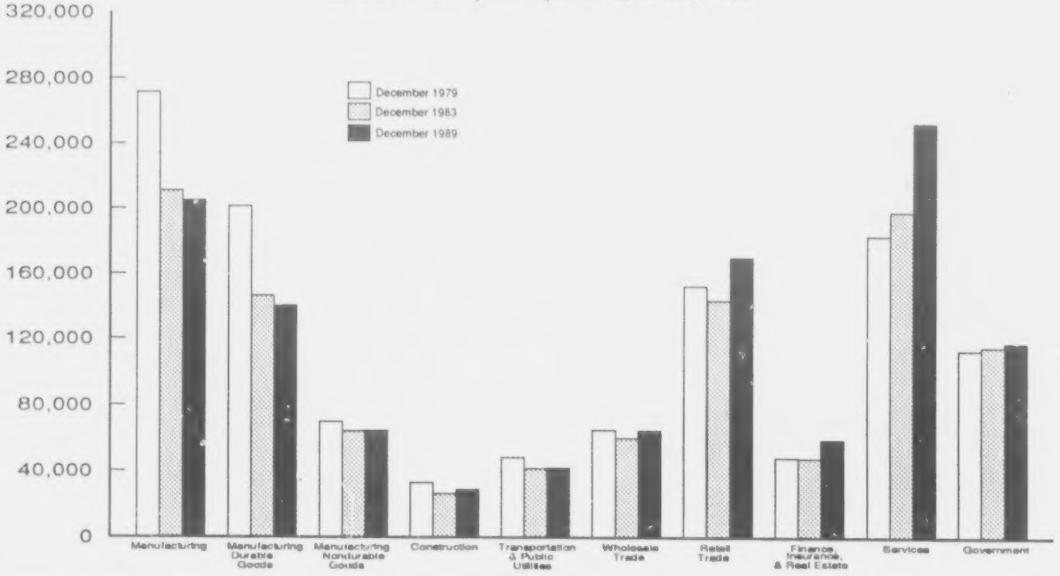


Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
921.7	878.5	43.2	4.7	**1978**	905.8	275.6	188.0	$321.75	42.9	$7.50
935.8	889.1	46.7	5.0	**1979**	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	**1980**	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	**1981**	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	**1982**	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	**1983**	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	**1984**	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	**1985**	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	**1986**	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	**1987**	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	**1988**	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
939.4	893.8	45.6	4.9	**November**	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	**December**	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	**January**	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	**February**	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	**March**	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	**April**	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	**May**	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	**June**	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	**July**	933.6	202.7	129.6	491.99	41.8	11.77
964.5	924.6	39.9	4.1	**August**	931.6	203.5	130.1	500.91	42.2	11.87
950.6	908.9	41.7	4.4	**September**	935.7	204.4	131.3	521.42	43.2	12.07
961.0	912.8	48.2	5.0	**October**	939.1	204.3	131.5	512.83	42.7	12.01
954.3	903.8	50.5	5.3	**November**	941.1	204.7	132.0	516.09	42.9	12.03
INA	INA	INA	INA	**December**	945.1	205.1	132.2	517.02	42.8	12.08

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Cleveland Primary Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	945.1	941.1	924.5	4.1	20.7
Manufacturing	205.1	204.7	205.4	.4	-.3
Durable Goods[e]	140.4	140.0	141.0	.3	-.6
Primary metal industries	21.5	21.6	21.8	.0	-.3
Iron and steel foundries	4.4	4.4	4.7	.0	-.3
Fabricated metal products	32.6	32.4	32.7	.2	-.1
Fabricated structural metal products	4.0	3.9	3.9	.1	.0
Screw machine products, bolts, etc.	4.8	4.8	4.9	.0	-.1
Metal forgings and stampings	10.9	10.9	11.2	.1	-.3
Machinery, except electrical	30.5	30.7	30.6	-.2	-.1
Construction and related machinery	2.6	2.6	2.6	.0	.0
Metalworking machinery	10.5	10.5	10.1	-.1	.3
Special industry machinery	2.6	2.6	2.6	-.1	-.1
General industrial machinery	3.3	3.3	3.3	.0	.0
Electric and electronic equipment	17.9	17.8	17.9	.1	.0
Electrical industrial apparatus	6.6	6.6	6.5	.0	.1
Transportation equipment	19.4	19.1	20.2	.2	-.8
Motor vehicles and equipment	12.6	12.4	12.9	.2	-.3
Instruments and related products	6.5	6.5	6.4	.0	.1
Measuring and controlling devices	4.6	4.6	4.4	.0	.2
Nondurable Goods[f]	64.7	64.6	64.4	.1	.3
Food and kindred products	6.7	6.7	6.8	.0	.0
Apparel and other textile products	3.4	3.4	3.6	.0	-.2
Paper and allied products	5.8	5.9	6.0	.0	-.1
Printing and publishing	16.3	16.3	16.0	.0	.3
Chemicals and allied products	15.2	15.3	15.1	-.1	.1
Rubber and misc. plastics products	11.7	11.5	11.7	.2	.0
Nonmanufacturing[g]	740.1	736.4	719.1	3.7	21.0
Construction	28.9	30.5	27.8	-1.6	1.1
Transportation and Public Utilities	42.4	42.1	42.4	.3	-.1
Trucking and warehousing	13.2	12.9	12.8	.3	.4
Communication, electric, gas services	17.2	17.1	17.6	.0	-.4
Wholesale Trade	65.1	64.9	63.9	.3	1.2
Wholesale trade-durable goods	45.1	45.0	44.3	.1	.8
Retail Trade	170.8	166.6	166.0	4.2	4.8
General merchandise stores	23.8	22.6	23.5	1.1	.3
Finance, Insurance, and Real Estate	59.5	59.4	57.8	.1	1.8
Banking	14.6	14.6	14.2	.0	.4
Credit agencies other than banks	9.0	8.9	8.8	.1	.2
Insurance carriers	14.7	14.7	14.4	.0	.3
Services	253.6	253.6	243.1	.0	10.5
Business services	59.9	59.7	56.4	.3	3.5
Amusement and recreation services	6.8	7.1	6.4	-.3	.3
Health services	79.8	79.6	78.1	.2	1.7
Hospitals	43.9	44.0	43.9	.0	.0
Government	118.6	118.2	117.0	.4	1.6
Federal government	20.9	20.6	21.2	.3	-.3
State government	8.4	7.9	8.6	.5	-.3
State government education[i]	3.4	2.9	3.6	.4	-.2
State government, except education	5.0	4.9	5.1	.1	.0
Local government	89.4	89.8	87.2	-.4	2.2
Local government education	45.4	45.8	44.2	-.4	1.2
Local government, except education	43.9	44.0	42.9	.0	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$517.02	$516.09	$538.25	42.8	42.9	44.3	$12.08	$12.03	$12.15
Durable Goods[e]	546.36	545.44	577.03	43.5	43.6	45.4	12.56	12.51	12.71
Primary metal industries	539.18	535.05	608.62	43.8	43.5	47.4	12.31	12.30	12.84
Iron and steel foundries	762.08	824.72	982.03	44.0	47.1	53.4	17.32	17.51	18.39
Fabricated metal products	526.15	545.49	587.61	42.5	43.5	45.8	12.38	12.54	12.83
Fabricated structural metal products	437.47	445.44	427.65	43.1	43.5	42.3	10.15	10.24	10.11
Screw machine products, bolts, etc.	501.08	518.28	589.36	42.5	43.7	47.3	11.79	11.86	12.46
Metal forgings and stampings	648.66	687.93	768.42	43.1	44.7	49.1	15.05	15.39	15.65
Machinery, except electrical	538.30	526.69	552.80	43.8	43.6	45.2	12.29	12.08	12.23
Construction and related machinery	396.74	431.83	417.19	41.5	44.2	44.1	9.56	9.77	9.46
Metalworking machinery	496.29	498.50	501.12	42.6	42.9	43.5	11.65	11.62	11.52
Special industry machinery	492.24	506.32	506.20	42.0	42.8	43.6	11.72	11.83	11.61
General industrial machinery	497.37	495.94	548.42	43.1	43.2	47.4	11.54	11.48	11.57
Electric and electronic equipment	481.07	477.39	466.57	42.8	42.7	42.3	11.24	11.18	11.03
Electrical industrial apparatus	574.12	571.34	545.71	46.3	46.3	45.1	12.40	12.34	12.10
Transportation equipment	738.12	724.14	766.23	45.2	44.7	47.8	16.33	16.20	16.03
Motor vehicles and equipment	819.77	805.35	859.17	45.9	45.5	48.9	17.86	17.70	17.57
Instruments and related products	432.73	423.07	420.58	42.3	41.6	42.1	10.23	10.17	9.99
Measuring and controlling devices	483.76	473.06	460.10	44.3	43.6	43.0	10.92	10.85	10.70
Nondurable Goods[f]	440.90	441.83	439.25	40.9	41.1	41.4	10.78	10.75	10.61
Food and kindred products	479.79	452.38	449.10	42.8	41.2	43.1	11.21	10.98	10.42
Apparel and other textile products	353.02	354.09	339.89	39.4	39.3	39.8	8.96	9.01	8.54
Paper and allied products	484.61	474.99	488.49	43.0	42.6	42.7	11.27	11.15	11.44
Printing and publishing	408.84	423.22	423.55	37.1	38.3	38.4	11.02	11.05	11.03
Chemicals and allied products	537.20	535.50	523.98	42.5	42.5	42.6	12.64	12.60	12.30
Rubber and misc. plastics products	380.28	380.84	386.44	42.3	42.6	42.7	8.99	8.94	9.05
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	620.88	621.71	594.28	41.2	41.2	40.9	15.07	15.09	14.53
Wholesale Trade	454.17	451.88	435.91	39.7	39.5	39.7	11.44	11.44	10.98
Retail Trade[h]	187.42	187.68	190.19	27.4	27.2	28.6	6.84	6.90	6.65
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	300.44	298.88	305.76	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	353.00	351.83	345.98	30.3	30.2	31.8	11.65	11.65	10.88

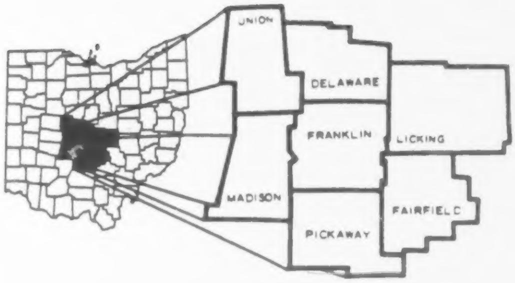
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

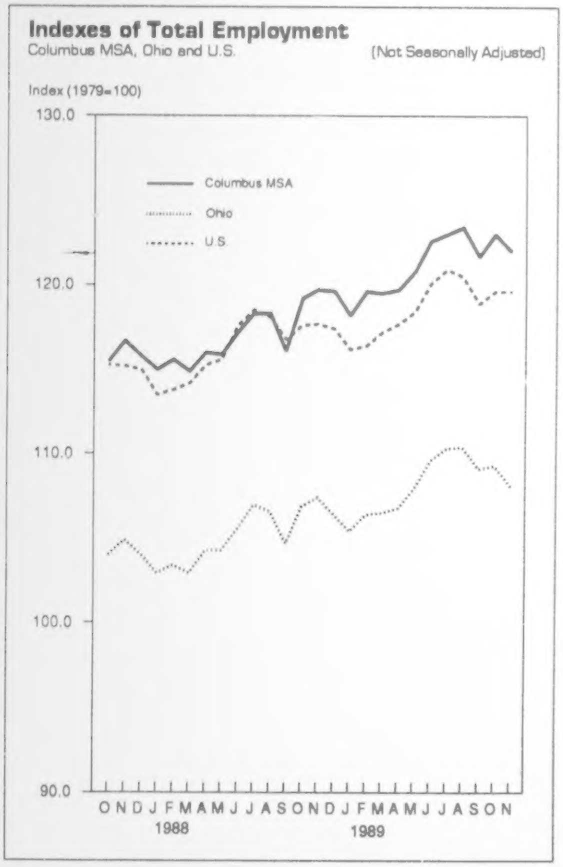
	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	3,584	4,008	4,092
Active File of Job Seekers	21,800	24,069	53,156
Referrals to Jobs	1,207	2,081	1,380
Placements	174	315	363
Job Openings Received	475	944	917
Job Openings Unfilled	2,519	3,363	3,240
Unemployment Insurance Program			
Initial Claims	10,719	7,469	10,108
Continued Claims	55,141	46,372	54,538
First Payments	4,270	2,735	4,910
Last Payments	879	790	808
Weeks Compensated	45,062	37,250	44,866
Benefits Paid	$7,484,521	$6,059,562	$6,833,160
Average Weekly Payment	$171.34	$168.80	$157.12

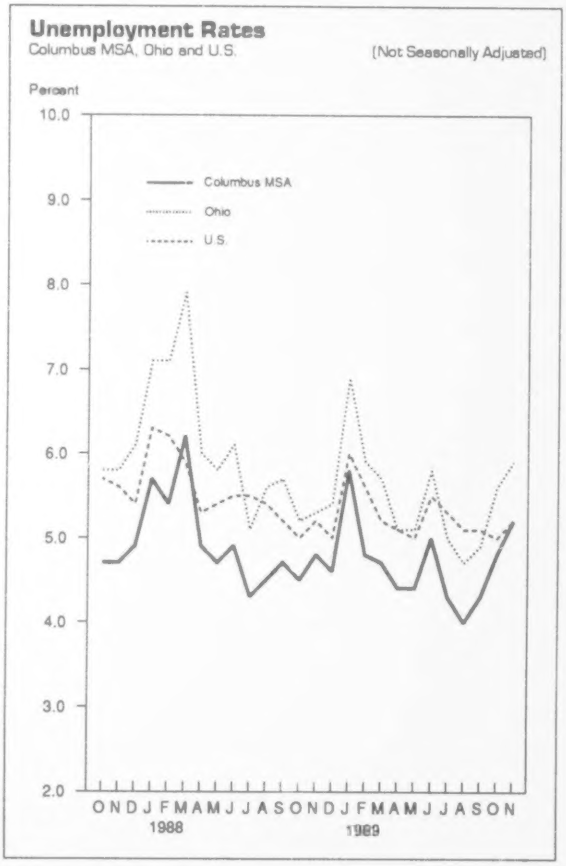
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Columbus metropolitan area rose 2,700 above the November level to 721,000 in December 1989. Nonmanufacturing employment increased 3,000. Seasonal hirings in retail trade outweighed a seasonal decrease in construction. Scattered declines in durable-goods industries, especially electric and electronic equipment, lowered manufacturing employment 200 over the month to 103,600. Factory production workers averaged $12.26 per hour, up fractionally from November. Their average workweek was .1 hours longer at 42.5 hours.

Nonfarm wage and salary employment advanced 22,500 between December 1988 and December 1989. Primary growth sectors were services (+8,700) and retail trade (+7,200). Significant improvements also occurred in construction, finance, insurance, and real estate, wholesale trade, and transportation and public utilities. Manufacturing employment declined 400 during the period. Reductions in nonelectrical machinery and electric and electronic equipment negated gains in transportation equipment and printing and publishing.


Indexes of Total Employment
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]

Columbus MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	**1978**	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	**1979**	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	**1983**	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	**1984**	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	**1985**	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	**1986**	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	**1987**	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	**1988**	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
725.5	691.0	34.5	4.8	**November**	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	**December**	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	**January**	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	**February**	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	**March**	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	**April**	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	**May**	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	**June**	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	**July**	699.2	103.2	67.5	496.43	41.3	12.02
742.2	712.8	29.4	4.0	**August**	701.2	103.4	67.7	495.19	41.3	11.99
734.2	702.7	31.5	4.3	**September**	707.0	104.3	68.4	503.36	41.6	12.10
746.2	710.5	35.7	4.8	**October**	714.3	103.4	67.8	511.18	41.9	12.20
743.3	704.6	38.7	5.2	**November**	718.3	103.8	68.3	518.98	42.4	12.24
INA	INA	INA	INA	**December**	721.0	103.6	68.0	521.05	42.5	12.26

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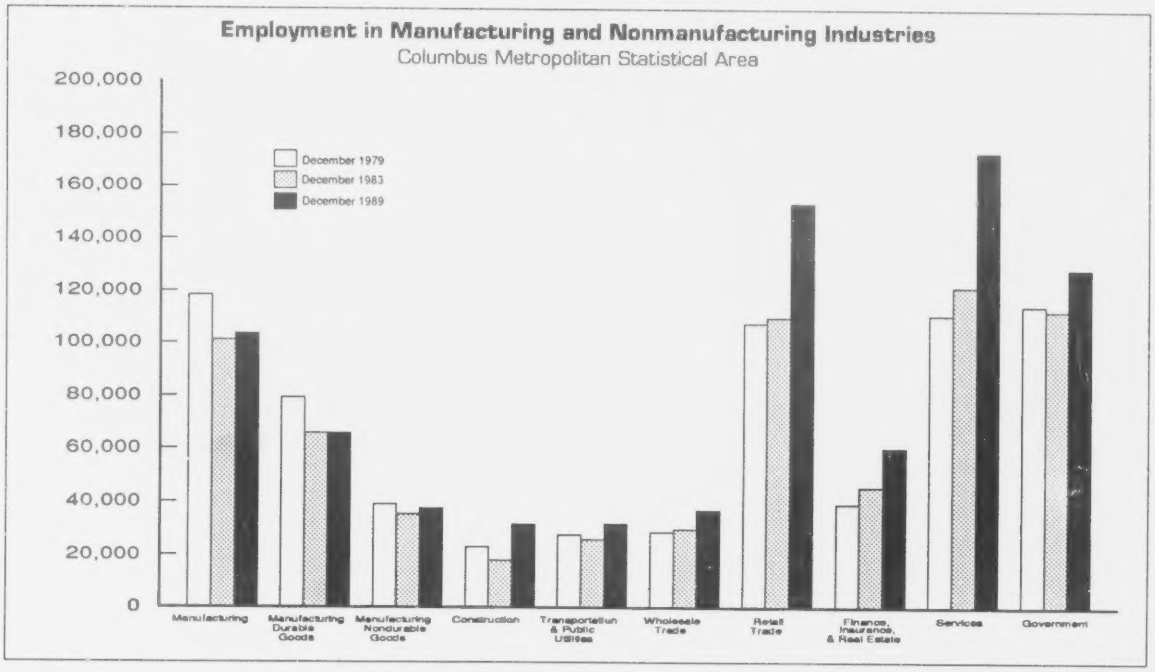

Employment in Manufacturing and Nonmanufacturing Industries
Columbus Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	721.0	718.3	698.6	2.7	22.5
Manufacturing	103.6	103.8	104.0	-.2	-.4
Durable Goods[e]	65.9	66.1	66.0	-.2	-.2
Stone, clay, and glass products	10.1	10.3	10.0	-.1	.1
Glass and glassware, pressed or blown	3.3	3.4	3.2	-.1	.1
Fabricated metal products	9.6	9.5	9.5	.1	.1
Fabricated structural metal products	2.5	2.6	2.5	-.1	-.1
Machinery, except electrical	9.4	9.4	9.7	.0	-.3
Electric and electronic equipment	10.2	10.5	10.5	-.3	-.3
Transportation equipment	13.7	13.6	13.2	.1	.5
Instruments and related products	4.4	4.4	4.2	.0	.2
Nondurable Goods[f]	37.7	37.7	37.9	.0	-.2
Food and kindred products	10.2	10.2	10.3	.0	-.1
Printing and publishing	11.0	11.0	10.7	.0	.3
Chemicals and allied products	6.7	6.7	6.6	.0	.0
Rubber and misc. plastics products	5.6	5.6	5.7	-.1	-.1
Nonmanufacturing[g]	617.5	614.5	594.6	3.0	22.9
Construction	31.6	32.8	29.2	-1.2	2.5
Transportation and Public Utilities	31.9	31.7	30.8	.2	1.1
Trucking and warehousing	14.0	13.8	13.2	.3	.8
Communication, electric, gas services	11.7	11.7	12.0	.0	-.3
Wholesale Trade	37.0	36.8	35.8	.2	1.2
Wholesale trade-durable goods	23.6	23.5	22.9	.1	.7
Retail Trade	153.6	150.9	146.4	2.6	7.2
General merchandise stores	23.0	22.1	22.3	.9	.7
Finance, Insurance, and Real Estate	60.6	60.4	58.8	.2	1.8
Banking	12.0	11.9	11.7	.1	.3
Insurance carriers	23.9	23.9	23.5	.0	.4
Services	173.1	173.9	164.4	-.7	8.7
Business services	42.5	42.3	39.4	.2	3.2
Health services	43.8	43.7	42.2	.1	1.6
Hospitals	20.0	20.0	19.3	.0	.6
Government	128.6	127.0	128.2	1.7	.4
Federal government	15.4	15.1	15.4	.2	.0
State government	57.0	55.8	57.1	1.2	.0
State government education[i]	24.6	23.6	25.4	1.0	-.8
State government, except education	32.4	32.2	31.7	.2	.7
Local government	56.2	56.0	55.8	.2	.4
Local government education	34.2	34.3	33.8	.0	.4
Local government, except education	22.0	21.8	22.0	.2	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$521.05	$518.98	$492.74	42.5	42.4	41.9	$12.26	$12.24	$11.76
Durable Goods[e]	524.45	524.03	496.23	42.5	42.5	41.7	12.34	12.33	11.90
Stone, clay, and glass products	506.10	517.52	470.02	42.0	42.7	39.9	12.05	12.12	11.78
Glass and glassware, pressed or blown	453.47	462.68	417.57	41.3	42.1	38.7	10.98	10.99	10.79
Fabricated metal products	514.55	515.41	530.04	41.0	41.2	42.0	12.55	12.51	12.62
Fabricated structural metal products	505.01	481.32	454.30	43.2	42.0	41.3	11.69	11.46	11.00
Machinery, except electrical	484.46	496.65	501.48	42.2	43.3	44.3	11.48	11.47	11.32
Electric and electronic equipment	525.82	504.36	453.26	43.6	42.1	39.9	12.06	11.98	11.36
Transportation equipment	645.81	641.02	586.70	44.6	44.3	42.3	14.48	14.47	13.87
Instruments and related products	406.40	411.83	411.18	40.0	40.1	38.5	10.16	10.27	10.68
Nondurable Goods[f]	513.04	509.72	485.60	42.4	42.3	42.3	12.10	12.05	11.48
Food and kindred products	471.47	460.15	454.76	42.9	42.1	42.7	10.99	10.93	10.65
Printing and publishing	623.33	601.56	579.77	41.5	40.4	40.6	15.02	14.89	14.28
Chemicals and allied products	666.62	674.06	612.39	44.8	45.3	44.7	14.88	14.88	13.70
Rubber and misc. plastics products	380.80	403.62	363.54	41.8	43.4	41.5	9.11	9.30	8.76
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	607.98	608.39	568.81	41.5	41.5	40.6	14.65	14.66	14.01
Wholesale Trade	367.48	367.10	361.54	38.2	38.2	37.7	9.62	9.61	9.59
Retail Trade[h]	199.01	193.29	194.83	28.8	28.3	29.7	6.91	6.83	6.56
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Banking	284.30	285.01	270.27	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	394.91	394.34	352.17	34.4	34.5	33.7	11.48	11.43	10.45

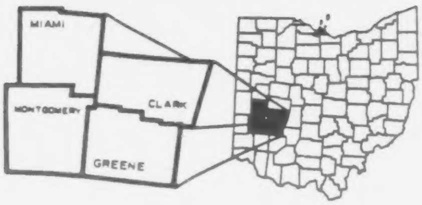
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

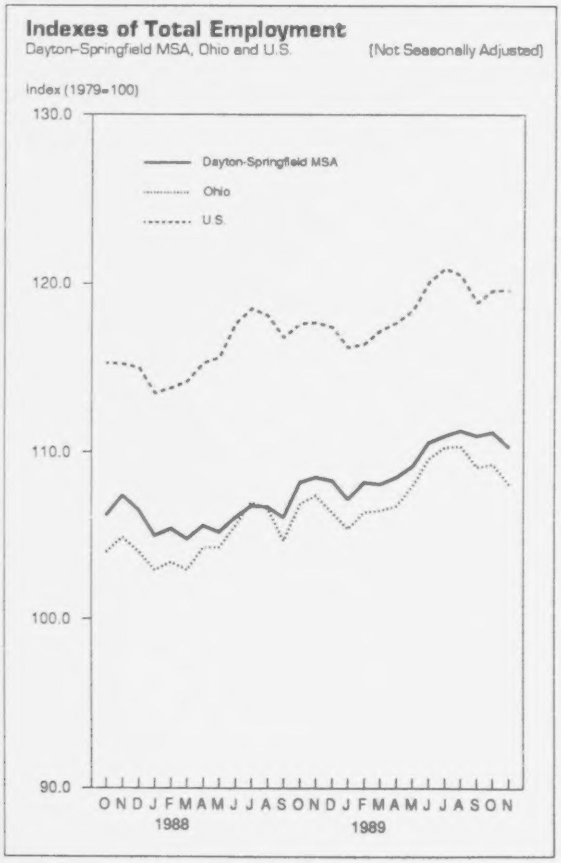
	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	3,250	3,861	5,057
Active File of Job Seekers	18,233	20,757	26,829
Referrals to Jobs	1,391	1,894	1,483
Placements	334	404	562
Job Openings Received	741	1,427	891
Job Openings Unfilled	2,367	3,230	1,640
Unemployment Insurance Program			
Initial Claims	7,887	4,585	6,009
Continued Claims	37,365	31,712	36,959
First Payments	2,777	2,061	3,258
Last Payments	463	466	481
Weeks Compensated	30,099	27,146	31,714
Benefits Paid	$4,951,351	$4,451,061	$4,970,309
Average Weekly Payment	$171.89	$171.50	$162.38

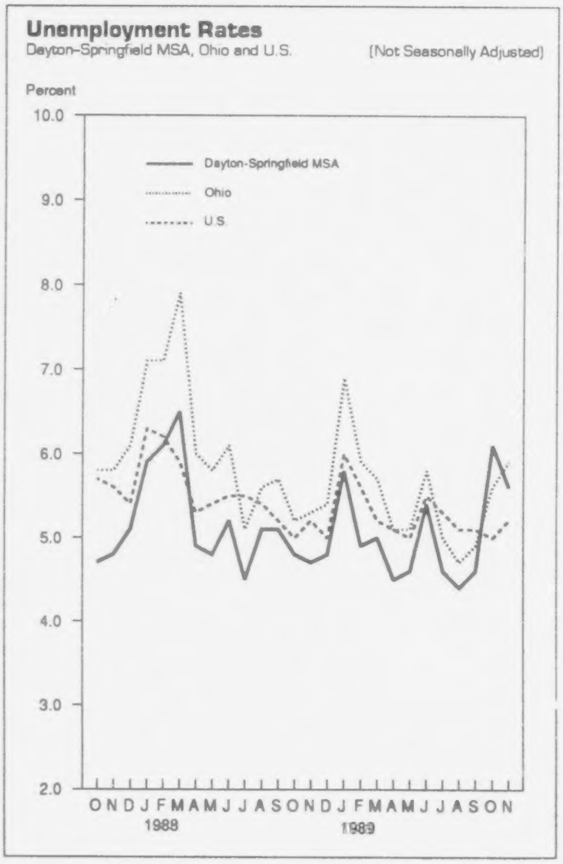
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA



In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 461,700 in December 1989, increasing 2,400 above the November level. Manufacturing employment rose 2,000 to 104,100 due to recalls in transportation equipment during the reference week. Marginal declines were posted in nonelectrical machinery, electric and electronic equipment, and food and kindred products. More business in retail trade offset seasonal declines in construction and services as nonmanufacturing employment increased 300 over the month. Factory production workers averaged $13.03 per hour, up $.08 from November. Their average workweek of 42.5 hours was .2 hours shorter.

Nonagricultural wage and salary employment advanced 13,500 between December 1988 and December 1989. Leading growth industries were services, especially business and health services, retail trade, and government. Noteworthy improvements also occurred in construction and transportation and public utilities. Manufacturing employment declined 1,400 during the period due to significant reductions in nonelectrical machinery and rubber and miscellaneous plastics products.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]

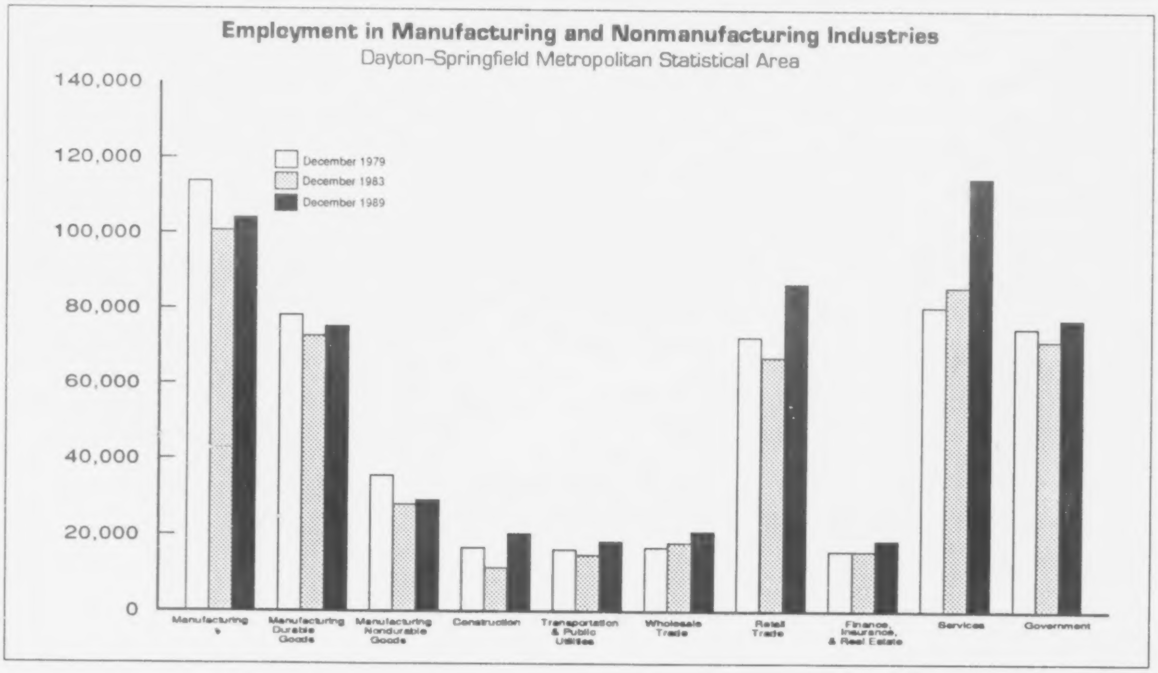

Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]

Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1978**	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	**1979**	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	**1983**	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	**1984**	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	**1985**	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	**1986**	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	**1987**	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	**1988**	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
475.8	453.5	22.3	4.7	**November**	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	**December**	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	**January**	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	**February**	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	**March**	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	**April**	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	**May**	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	**June**	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	**July**	447.2	103.8	65.9	540.18	42.4	12.74
486.5	465.3	21.2	4.4	**August**	448.2	104.2	66.2	531.70	41.8	12.72
486.2	464.1	22.1	4.6	**September**	457.2	104.5	66.7	554.25	42.7	12.98
495.2	464.9	30.3	6.1	**October**	457.4	101.4	64.4	549.97	42.6	12.91
488.4	461.1	27.3	5.6	**November**	459.3	102.0	64.8	552.97	42.7	12.95
INA	INA	INA	INA	**December**	461.7	104.1	66.8	553.78	42.5	13.03

INA – information not available



Employment in Manufacturing and Nonmanufacturing Industries

Dayton-Springfield Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	461.7	459.3	448.2	2.4	13.5
Manufacturing	104.1	102.0	105.5	2.0	-1.4
Durable Goods[e]	75.0	73.0	76.1	2.1	-1.1
Fabricated metal products	8.3	8.3	8.4	.0	-.1
Machinery, except electrical	30.2	30.3	31.2	-.1	-1.0
Metalworking machinery	6.6	6.6	6.7	.0	-.1
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.6	5.7	5.8	-.1	-.2
Electrical industrial apparatus	3.1	3.2	3.3	.0	-.1
Transportation equipment	21.0	18.8	21.0	2.3	.0
Nondurable Goods[f]	29.0	29.1	29.3	-.1	-.3
Food and kindred products	3.1	3.2	3.1	-.1	.0
Paper and allied products	5.7	5.7	5.9	.0	-.2
Printing and publishing	9.0	9.0	8.9	.0	.1
Rubber and misc. plastics products	7.3	7.3	7.9	.0	-.6
Nonmanufacturing[g]	357.6	357.3	342.8	.3	14.9
Construction	20.3	21.2	18.8	-.9	1.5
Transportation and Public Utilities	18.3	18.1	17.3	.2	1.0
Communication, electric, gas services	5.2	5.2	5.5	.0	-.3
Wholesale Trade	21.0	20.8	20.2	.1	.8
Wholesale trade-durable goods	14.3	14.2	13.8	.1	.5
Retail Trade	86.6	84.9	84.0	1.7	2.6
General merchandise stores	13.8	12.9	13.2	.9	.6
Finance, Insurance, and Real Estate	18.6	18.6	18.2	.0	.5
Banking	4.2	4.1	4.2	.0	.0
Credit agencies other than banks	4.8	4.8	4.7	.0	.1
Insurance carriers	3.2	3.1	3.0	.0	.2
Services	115.0	115.8	109.2	-.7	5.8
Business services	28.7	28.8	26.6	-.1	2.1
Health services	38.8	38.8	37.3	.0	1.4
Hospitals	19.8	19.8	19.3	.0	.5
Educational services	9.0	9.6	9.0	-.6	.0
Government	77.4	77.5	74.8	-.1	2.5
Federal government	28.8	28.7	27.6	.1	1.2
State government	7.4	7.3	7.3	.1	.1
State government education[i]	4.5	4.5	4.4	.1	.1
State government, except education	2.9	2.8	2.9	.0	.0
Local government	41.2	41.5	39.9	-.3	1.3
Local government education	26.0	26.2	25.0	-.2	1.1
Local government, except education	15.2	15.2	15.0	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$553.78	$552.97	$574.98	42.5	42.7	44.4	$13.03	$12.95	$12.95
Durable Goods[e]	570.90	568.43	583.40	42.7	42.9	44.5	13.37	13.25	13.11
Fabricated metal products	402.41	399.34	413.76	41.4	41.0	43.1	9.72	9.74	9.60
Machinery, except electrical	614.31	611.53	607.47	44.1	43.9	45.3	13.93	13.93	13.41
Metalworking machinery	624.39	631.76	602.88	47.7	48.3	48.0	13.09	13.08	12.56
General industrial machinery	588.00	510.03	564.06	49.0	44.7	47.6	12.00	11.41	11.85
Electric and electronic equipment	419.90	409.61	467.16	42.5	41.5	45.8	9.88	9.87	10.20
Electrical industrial apparatus	520.37	523.20	598.89	43.4	43.6	50.2	11.99	12.00	11.93
Transportation equipment	715.46	732.60	747.84	43.1	44.0	45.6	16.60	16.65	16.40
Nondurable Goods[f]	498.37	505.73	547.80	41.6	41.9	44.0	11.98	12.07	12.45
Food and kindred products	380.33	382.08	386.33	42.4	42.5	42.5	8.97	8.99	9.09
Paper and allied products	510.30	506.16	542.16	45.0	44.4	47.6	11.34	11.40	11.39
Printing and publishing	470.37	473.45	460.75	40.1	40.5	40.1	11.73	11.69	11.49
Rubber and misc. plastics products	617.37	649.22	738.89	39.0	40.5	44.7	15.83	16.03	16.53
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	581.98	571.29	548.40	41.6	41.1	40.0	13.99	13.90	13.71
Wholesale Trade	393.96	398.11	408.03	39.2	39.3	40.2	10.05	10.13	10.15
Retail Trade[h]	180.13	175.51	173.75	29.1	28.4	29.4	6.19	6.18	5.91
Services	......	......	......	....	....	....	.....	.....	.....
Health services	......	......	......	....	....	....	.....	.....	.....
Hospitals	409.13	409.02	359.44	35.3	35.2	34.2	11.59	11.62	10.51

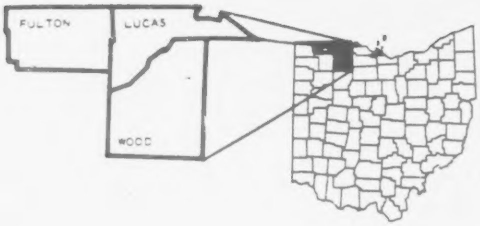
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	2,227	2,265	2,313
Active File of Job Seekers	10,782	11,167	10,797
Referrals to Jobs	902	1,364	923
Placements	336	358	261
Job Openings Received	434	492	469
Job Openings Unfilled	1,757	2,378	1,343
Unemployment Insurance Program			
Initial Claims	6,109	7,576	5,376
Continued Claims	26,208	27,285	23,262
First Payments	1,927	3,544	2,074
Last Payments	295	327	320
Weeks Compensated	21,780	23,941	20,043
Benefits Paid	$3,382,022	$4,054,584	$2,846,918
Average Weekly Payment	$163.67	$179.77	$147.30

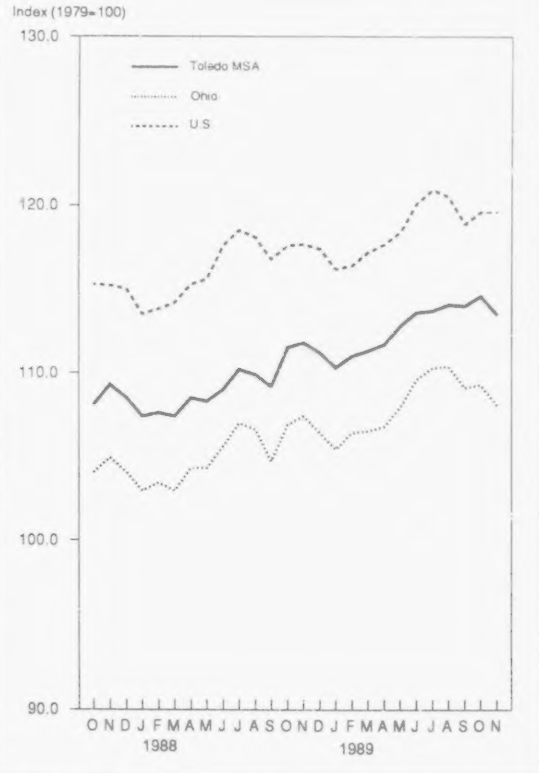
TOLEDO
METROPOLITAN STATISTICAL AREA



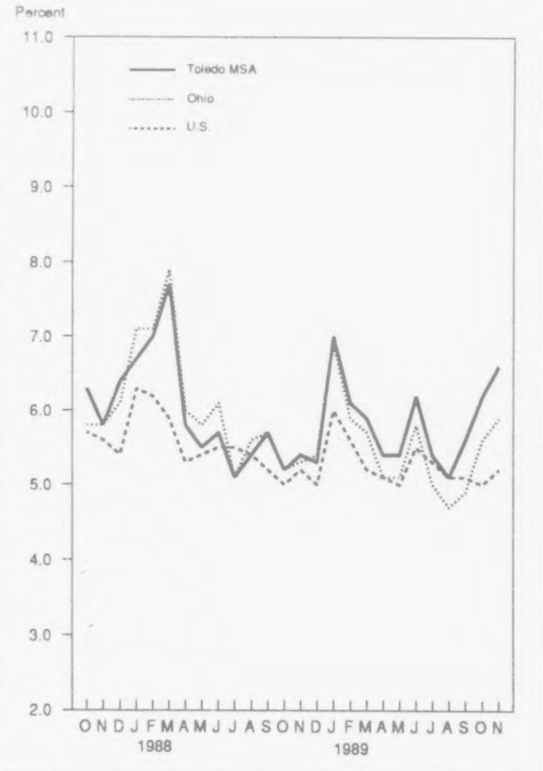
Nonagricultural payroll employment in the Toledo metropolitan area totaled 299,600 in December 1989, down 1,200 from the November level. Nonmanufacturing employment declined 800. A temporary layoff of nonteaching personnel in state schools and colleges and a seasonal decrease in construction overshadowed a moderate gain in retail trade. Manufacturing employment dropped 300 to 59,900 due to a labor–management dispute in primary metal industries and less business in food and kindred products. Factory production workers averaged $13.30 per hour, down $.04 from November. Their average workweek increased .3 hours to 44.0 hours.

Nonfarm wage and salary employment advanced 7,300 between December 1988 and December 1989. A major portion of the improvement occurred in services (+4,300), retail trade (+2,900), and construction (+1,200). Reductions in transportation equipment, particularly motor vehicles and equipment, primary metal industries, fabricated metal products, food and kindred products, and nonelectrical machinery lowered manufacturing employment 2,400 during the period.

Indexes of Total Employment
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]



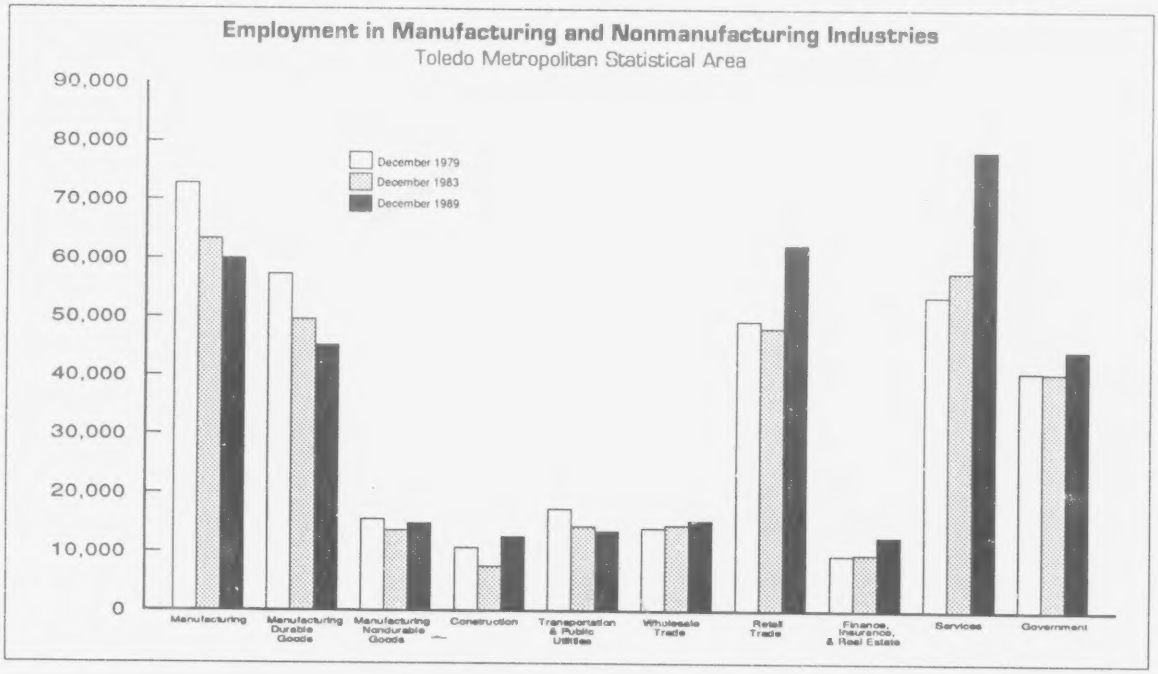
Unemployment Rates
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]



Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1978**	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	**1979**	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	**1983**	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	**1984**	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	**1985**	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	**1986**	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	**1987**	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	**1988**	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
315.6	298.6	17.0	5.4	**November**	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	**December**	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	**January**	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	**February**	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	**March**	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	**April**	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	**May**	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	**June**	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	**July**	290.7	61.1	43.4	566.24	42.8	13.23
321.3	304.8	16.5	5.1	**August**	291.5	61.6	44.0	576.76	43.3	13.32
322.5	304.5	18.0	5.6	**September**	298.0	61.3	43.9	565.02	43.0	13.14
326.3	306.1	20.2	6.2	**October**	299.6	60.0	42.7	577.65	43.4	13.31
324.8	303.4	21.3	6.6	**November**	300.8	60.3	42.9	582.96	43.7	13.34
INA	INA	INA	INA	**December**	299.6	59.9	42.5	585.20	44.0	13.30

INA – information not available


Employment in Manufacturing and Nonmanufacturing Industries
Toledo Metropolitan Statistical Area

Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	299.6	300.8	292.4	-1.2	7.3
Manufacturing	59.9	60.3	62.4	-.3	-2.4
Durable Goods[e]	45.1	45.4	47.3	-.3	-2.2
Stone, clay, and glass products	7.4	7.5	7.5	-.1	-.1
Primary metal industries	3.2	3.4	3.7	-.2	-.5
Fabricated metal products	6.9	6.9	7.3	.0	-.4
Metal forgings and stampings	2.6	2.7	2.9	.0	-.3
Machinery, except electrical	5.7	5.7	6.0	.0	-.3
Electric and electronic equipment	2.0	2.1	2.2	-.1	-.2
Transportation equipment	14.8	14.8	15.7	.0	-.9
Motor vehicles and equipment	13.9	13.9	14.8	.0	-.9
Nondurable Goods[f]	14.8	14.8	15.0	.0	-.2
Food and kindred products	3.8	3.9	4.2	-.2	-.4
Rubber and misc. plastics products	3.5	3.5	3.4	.0	.1
Nonmanufacturing[g]	239.7	240.5	230.0	-.8	9.7
Construction	12.5	13.3	11.3	-.7	1.2
Transportation and Public Utilities	13.6	13.5	13.3	.0	.2
Trucking and warehousing	5.9	5.9	5.6	.1	.4
Communication, electric, gas services	4.7	4.7	4.8	.0	.0
Wholesale Trade	15.3	15.4	14.9	-.1	.4
Wholesale trade-durable goods	10.3	10.3	10.0	.0	.3
Retail Trade	62.4	61.0	59.5	1.4	2.9
General merchandise stores	10.1	9.6	9.7	.5	.3
Finance, Insurance, and Real Estate	12.6	12.7	12.5	-.1	.1
Banking	3.7	3.7	3.8	.0	-.1
Services	78.5	78.8	74.3	-.2	4.3
Business services	17.5	17.5	15.9	.1	1.7
Health services	27.7	27.7	27.3	.1	.4
Hospitals	15.1	15.2	15.0	.0	.1
Government	44.4	45.5	43.9	-1.1	.5
State government	16.4	17.6	15.8	-1.1	.6
State government education[i]	12.2	13.4	11.6	-1.2	.5
State government, except education	4.3	4.2	4.2	.1	.1
Local government	25.5	25.4	25.5	.1	.0
Local government education	14.8	14.8	15.1	.0	-.2
Local government, except education	10.6	10.6	10.4	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$585.20	$582.96	$589.19	44.0	43.7	44.3	$13.30	$13.34	$13.30
Durable Goods[e]	605.98	597.82	614.21	44.2	43.7	44.8	13.71	13.68	13.71
Stone, clay, and glass products	600.94	599.62	519.62	43.8	43.8	40.5	13.72	13.69	12.83
Primary metal industries	541.46	492.16	514.83	46.2	43.4	45.2	11.72	11.34	11.39
Fabricated metal products	510.92	480.57	555.14	44.7	43.1	46.3	11.43	11.15	11.99
Metal forgings and stampings	650.45	612.41	703.95	42.1	40.8	46.1	15.45	15.01	15.27
Machinery, except electrical	520.99	521.24	537.56	43.2	42.9	44.5	12.06	12.15	12.08
Electric and electronic equipment	514.37	512.74	578.75	42.9	42.8	46.3	11.99	11.98	12.50
Transportation equipment	757.46	763.11	780.78	44.4	44.6	46.5	17.06	17.11	16.92
Motor vehicles and equipment	767.63	773.31	793.60	44.5	44.7	46.6	17.25	17.30	17.03
Nondurable Goods[f]	515.70	532.70	503.96	43.3	43.7	42.6	11.91	12.19	11.83
Food and kindred products	636.01	615.52	519.25	45.3	44.7	45.3	14.04	13.77	13.67
Rubber and misc. plastics products	360.67	371.03	354.90	41.6	42.5	40.7	8.67	8.73	8.72
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	604.09	603.43	586.30	40.9	40.8	41.0	14.77	14.79	14.30
Wholesale Trade	421.37	410.10	389.47	40.4	39.7	39.5	10.43	10.33	9.86
Retail Trade[h]	163.98	160.06	165.02	27.7	26.9	28.9	5.92	5.95	5.71

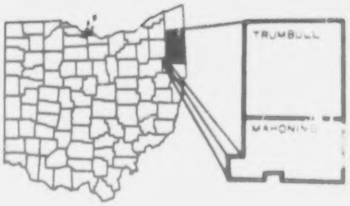
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

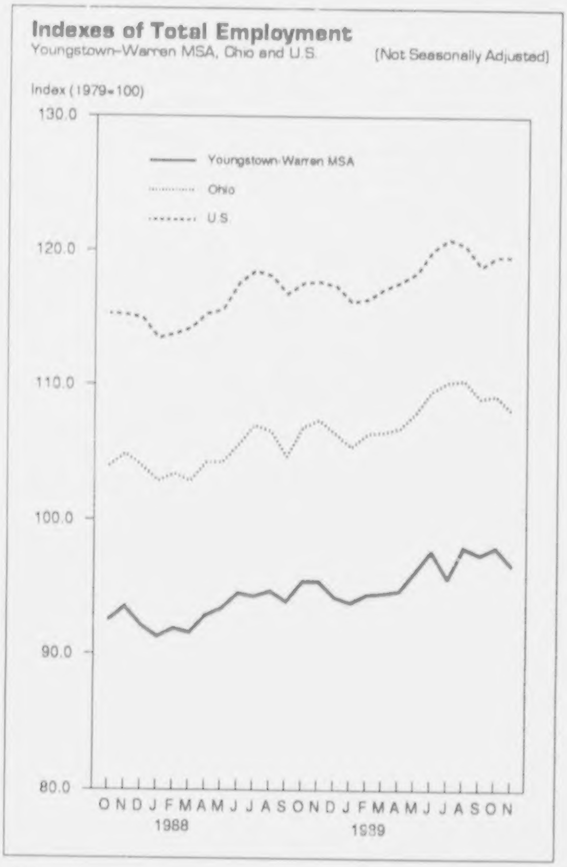
	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	1,610	1,907	2,046
Active File of Job Seekers	10,619	11,373	16,456
Referrals to Jobs	594	783	1,056
Placements	211	262	401
Job Openings Received	263	330	417
Job Openings Unfilled	669	980	854
Unemployment Insurance Program			
Initial Claims	9,622	7,460	4,108
Continued Claims	29,202	26,198	19,822
First Payments	5,295	1,259	1,724
Last Payments	336	235	261
Weeks Compensated	24,583	18,656	16,925
Benefits Paid	$4,315,126	$3,104,920	$2,523,288
Average Weekly Payment	$188.71	$179.09	$155.48

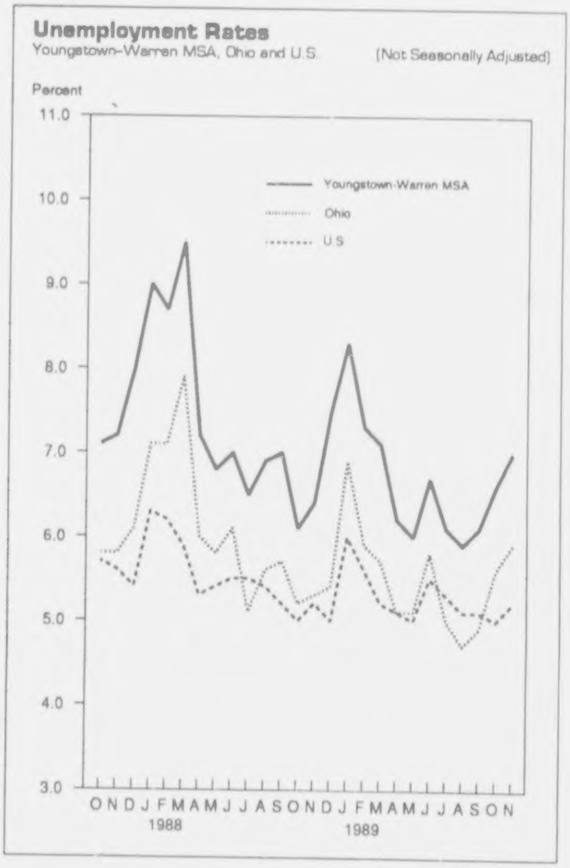
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Youngstown-Warren metropolitan area rose 300 above the November level to 203,000 in December 1989. Modest improvements in retail trade, wholesale trade, and state and local schools and colleges outweighed a seasonal decline in construction. Manufacturing employment decreased 400 over the month to 48,900 due primarily to a reduction in primary metal industries. Factory production workers averaged $14.06 per hour, down $.07 from November. Their average workweek of 42.6 hours was 1.0 hours shorter.

Nonagricultural payroll employment advanced 6,300 between December 1988 and December 1989. The improvement was concentrated in the nonmanufacturing sector. Leading growth industries were services (+3,000) and retail trade (+1,800). Noteworthy gains also occurred in construction and wholesale trade. The manufacturing workforce lost 900 jobs during the period. A significant reduction in primary metal industries was partially offset by an increase in transportation equipment.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)

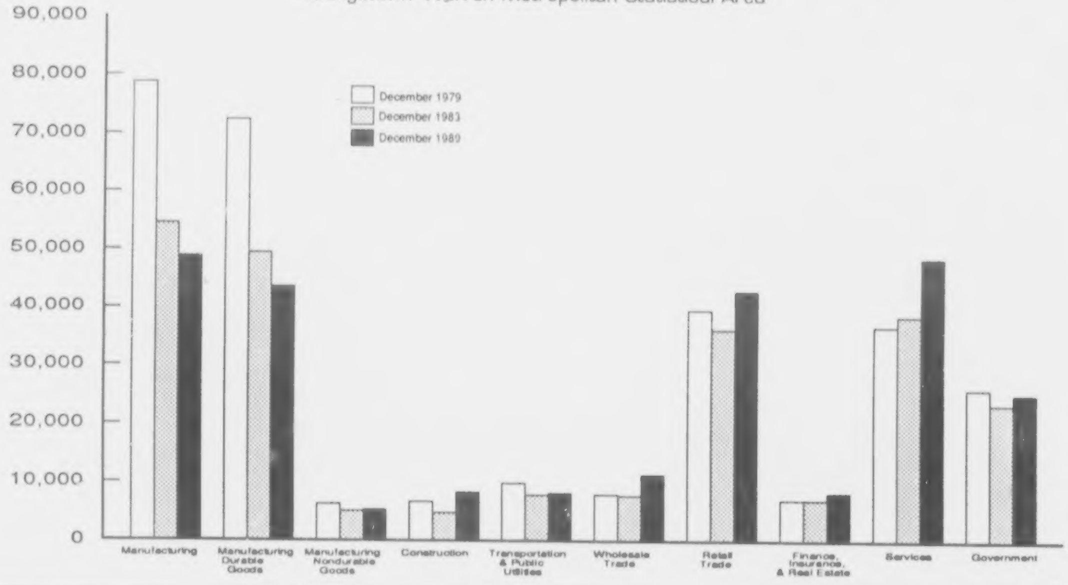

Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)

Youngstown-Warren MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.66	43.4	13.84
230.2	214.9	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	July	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	August	198.9	48.9	36.8	589.96	42.2	13.98
228.1	214.2	13.9	6.1	September	202.4	49.7	37.7	612.14	43.2	14.17
230.6	215.4	15.1	6.6	October	203.6	49.5	37.5	619.56	43.6	14.21
228.4	212.4	16.0	7.0	November	202.7	49.2	37.2	616.07	43.6	14.13
INA	INA	INA	INA	December	203.0	48.9	36.9	598.96	42.6	14.06

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries
Youngstown-Warren Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	December 1989[b]	November 1989[c]	December 1988[c]	From Last Month	From Last Year
Total	203.0	202.7	196.7	.3	6.3
Manufacturing	48.9	49.2	49.8	-.4	-.9
Durable Goods[e]	43.6	43.9	44.6	-.3	-.9
Primary metal industries	17.4	17.8	19.5	-.5	-2.2
Blast furnace and basic steel products	5.0	5.0	5.8	.0	-.8
Fabricated metal products	7.4	7.3	7.6	.1	-.2
Machinery, except electrical	3.8	3.8	3.9	.0	-.1
Electric and electronic equipment	2.1	2.2	2.4	-.1	-.3
Transportation equipment	9.6	9.5	8.0	.1	1.7
Nondurable Goods[f]	5.3	5.4	5.3	-.1	.0
Nonmanufacturing[g]	154.2	153.5	146.9	.7	7.2
Construction	8.3	9.0	7.5	-.7	.8
Transportation and Public Utilities	8.2	8.1	7.8	.1	.3
Communication, electric, gas services	2.7	2.7	2.8	.0	-.1
Wholesale Trade	11.4	11.1	10.5	.3	.8
Wholesale trade-durable goods	6.9	6.9	6.7	.0	.2
Retail Trade	43.1	42.2	41.3	.8	1.8
General merchandise stores	5.8	5.5	5.7	.3	.1
Finance, Insurance, and Real Estate	8.3	8.3	8.3	.0	.0
Banking	2.8	2.8	2.8	.0	.0
Services	48.8	48.8	45.7	.0	3.0
Health services	21.4	21.3	20.8	.1	.6
Hospitals	10.9	10.9	10.7	.0	.1
Government	25.4	25.1	25.0	.3	.4
State government	4.6	4.5	4.6	.1	.0
State government education[i]	3.1	3.0	3.1	.1	.0
State government, except education	1.5	1.5	1.5	.0	.0
Local government	18.7	18.6	18.2	.1	.5
Local government education	12.2	12.1	11.9	.1	.3
Local government, except education	6.4	6.4	6.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]
Manufacturing	$598.96	$616.07	$594.21	42.6	43.6	43.5	$14.06	$14.13	$13.66
Durable Goods[e]	614.61	633.92	611.97	42.8	43.9	43.9	14.36	14.44	13.94
Primary metal industries	636.64	660.30	660.74	41.1	42.3	43.7	15.49	15.61	15.12
Blast furnace and basic steel products	645.24	646.20	643.57	45.6	45.7	46.3	14.15	14.14	13.90
Fabricated metal products	608.14	618.27	562.59	44.1	44.9	42.3	13.79	13.77	13.30
Machinery, except electrical	516.60	540.46	512.11	42.8	44.3	44.3	12.07	12.20	11.56
Electric and electronic equipment	466.02	499.48	442.86	40.7	42.8	39.4	11.45	11.67	11.24
Transportation equipment	711.73	726.03	700.63	45.8	46.6	47.5	15.54	15.58	14.75
Nondurable Goods[f]	437.40	438.13	406.36	40.5	41.1	39.3	10.80	10.66	10.34
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communication, electric, gas services	605.90	604.03	559.40	41.5	41.4	40.1	14.60	14.59	13.95
Wholesale Trade	376.32	381.20	377.06	38.4	38.7	39.4	9.80	9.85	9.57
Retail Trade[h]	191.98	183.77	184.83	29.4	28.1	30.3	6.53	6.54	6.10

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	December 1989	November 1989	December 1988
Employment Service Program			
New Applicants	1,420	1,816	1,415
Active File of Job Seekers	12,144	13,853	14,487
Referrals to Jobs	906	1,209	796
Placements	226	309	238
Job Openings Received	329	507	330
Job Openings Unfilled	409	510	489
Unemployment Insurance Program			
Initial Claims	7,201	4,070	4,565
Continued Claims	22,927	18,255	24,409
First Payments	2,050	1,061	3,251
Last Payments	258	265	241
Weeks Compensated	19,259	15,531	20,312
Benefits Paid	$2,988,029	$2,280,091	$3,199,354
Average Weekly Payment	$164.63	$158.01	$163.98

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12^{th} of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12^{th} of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12^{th} of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12^{th} of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12^{th} of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	December 1989	November 1989	December 1988
New Applicants	27,168	32,748	31,650
Active File of Job Seekers	173,458	188,667	232,223
Counseling Interviews	827	1,029	923
Tests Administered	922	1,152	1,048
General Aptitude Tests	169	138	76
Proficiency Tests	261	242	197
Specific Aptitude Tests	75	98	315
Referrals to Jobs	14,170	20,039	16,946
Placements	2,851	4,163	4,180
Job Openings Received	5,094	8,086	6,861
Job Openings Unfilled	13,794	18,544	17,520

Selected Unemployment Insurance Activities

	Ohio		
	December 1989	November 1989	December 1988
Initial Claims	102,739	75,837	72,994
Continued Claims	416,398	345,699	371,296
First Payments	36,670	25,350	33,917
Last Payments	5,032	4,909	4,984
Average Weekly Claimants	98,619	74,713	84,895
Average Weekly Benefit Recipients	78,983	59,052	69,005
Weeks Compensated	341,684	281,033	315,382
Benefits Paid	$55,533,092	$44,824,543	$47,824,025
Average Weekly Payment	$169.59	$168.20	$157.22
Continued Claims for Survey Week	101,213	78,602	87,702
Insured Unemployment Rate	2.2	1.6	1.9
Net Contributions	$4,649,244	$82,242,707	$5,205,627
Active Employer Accounts	205,964	206,038	201,646

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

January 1990

Summary. The seasonally adjusted unemployment rate in Ohio rose from 6.1 percent in December to 6.7 percent in January. The national rate stood at 5.3 percent for the eighth consecutive month. Ohio's total employment, at 5,060,000, declined 50,000. The number of jobless Ohioans increased 34,000 to 366,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio fell 13,000 from December to 4,849,000 in January. The loss was concentrated in manufacturing industries. (See page 3.)

Goods-Producing Industries. Severe cutbacks in the automobile industry lowered employment in goods-producing industries 20,000 from December to 1,315,000 in January. Declines also occurred in fabricated metal products, primary metal industries, and electronic and other electric equipment, reducing employment in durable goods 22,000 to 726,000. Nondurable-goods employment, at 372,000, increased 2,000 due to gains in food and kindred products. Employment in construction rose 1,000 from December to 198,000, while mining employment was unchanged at 18,000.

Service-Producing Industries. Employment in service-producing industries totaled 3,534,000 in January, up 6,000 from December. Increases of 6,000 in retail trade and 2,000 in finance, insurance, and real estate were partially offset by declines of 1,000 in both services and government. Transportation and public utilities showed a small increase in employment, while wholesale trade remained on par with December.

Over the Year. Ohio's unemployment rate rose from 5.9 percent in January 1989 to 6.7 percent in January 1990. The national rate of 5.3 percent was down from 5.4 percent in January 1989. Total employment in Ohio was down 18,000 from January 1989, while total unemployment was up 45,000. Nonagricultural payroll employment rose 73,000 from a year ago. Retail trade increased 37,000 and services advanced 31,000. Gains in education largely accounted for an increase of 11,000 in government. Manufacturing employment fell 30,000 over the year due to declines in durable-goods industries, especially transportation equipment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $513.62 per week in January, down $13.77 from December. Their average workweek of 42.1 hours was .5 hours shorter. The change was due primarily to the loss of high- paid workers in motor vehicles and equipment resulting from temporary shutdowns. Earnings were also reduced in general industrial machinery, metal forgings and stampings, and metalworking machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 126,036 in January, up 22.7 percent from December, and up 60.2 percent from January

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

1989. Total benefits paid rose 50.5 percent to $83.6 million. The average weekly benefit check of $173.38 was $3.79 higher than in December. The average weekly number of benefit recipients, at 113,623, was up 43.9 percent. At the end of January there were 206,158 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 37,843 new job applicants in January, up 39.3 percent from December, but down 9.8 percent from January 1989. Job openings received from employers rose 53.2 percent from December to 7,803. The Employment Services Division made 17,963 job referrals and 2,831 placements.

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In This Issue

Ohio Nonagricultural Wage and Salary statistics are affected by these important changes:

- The U.S. Office of Budget and Management has revised the Standard Industrial Classification Manual to better reflect industry composition in the economy.
- Methodologies have been changed to provide more estimates for service-producing industries but fewer for manufacturing.
- The seasonally adjusted series has been expanded to include two-digit industries in the state, and division-level industries in the major metropolitan areas.

Effects of SIC Code Changes:

- At the division level, two minor changes occurred. Wholesale trade, retail trade, finance, insurance, and real estate, and services were affected. Firms were recoded from miscellaneous retail trade, specifically those engaged in the sale of used motor vehicle parts, to wholesale trade-durable goods. Firms were also recoded from Major Group 66, combinations of real estate, insurance, loans, and law offices in Finance, Insurance, and Real Estate, to Major Group 81, Legal Services, in the Services Division.
- At the 2-digit classification level, twenty-six industries in Ohio were affected. The greatest changes resulted from the creation of one new industry and the redefinition of another. SIC 87, Engineering and Management Services, was created from part of SIC 89, Miscellaneous Services, and part of SIC 73, Business Services. January 1990 employment in this new industry is 85,500. There were other shifts of smaller magnitude within Services.
- In the Banking industry, SIC 60 was redefined to include savings and loan institutions, formerly SIC 61, in addition to full-service banks. This 2-digit SIC industry has a new title, Depository Institutions, and is nearly 40 percent larger than the old SIC 60.
- In Manufacturing, the greatest change due to SIC recoding was a reduction in SIC 36, renamed Electronic and Other Electric Equipment. The receiving industry, SIC 35, was renamed Industrial Machinery and Equipment.

Significant 2-digit SIC changes in employment due to recoding are reported in the table on the next page.

Industry	SIC	Net March 1988 Employment Change From 1972 SIC	SIC Origin/ Destination
Construction	16	-500	To 17
	17	+500	From 16
Manufacturing	24	+800	From 26, 34
	30	+1800	From 32, 35; To 34
	32	-1900	To 30
	35	+4900	From 36; To 30
	36	-6600	To 35, 38
	37	- 600	To 34
	38	+1600	From 36
Wholesale Trade	50	+1400	From 59
Retail Trade	59	-1400	To 50
Finance, Insurance, and Real Estate	60	+24900	From 61
	61	-24900	To 60
Services	72	- 5000	To 73, 79
	73	-34300	From 72; To 78, 87
	78	+ 3800	From 73
	79	+ 4000	From 72; To 84
	87	+79500	From 73, 89
	89	-48000	To 87

Effects of Changes in Methodology:

- Historical series have been recalculated through 1979 to minimize the impact of changes on data users. Published detail has been greatly expanded, especially in the retail trade and services sectors. More detail is also available in contruction, transportation and public utilities, finance, insurance, and real estate, and government. The number of published lines in the manufacturing sector has been reduced.

Expansion of Seasonally Adjusted Data Series:

- Seasonally adjusted series have been added for selected Statewide two–digit SIC industries. The basis for selection was the availability of data for the ten–year period required to compute seasonally adjusted estimates. Division–level seasonally adjusted employment estimates are now available for the eight major metropolitan areas.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1990	Dec. 1989	Jan. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,426	5,442	5,399	-16	27	-.3	.5
Employment	5,060	5,110	5,078	-50	-18	-1.0	-.4
Unemployment	366	332	321	34	45	10.2	14.0
Unemployment Rate	6.7	6.1	5.9				
Employer Survey Data[e]							
Total	4,849	4,862	4,775	-13	73	-.3	1.5
Goods–Producing Industries	1,315	1,334	1,338	-20	-23	-1.5	-1.7
Mining	18	18	18	0	0	.5	-.7
Coal mining	8	8	8	0	0	.6	-.2
Oil and gas extraction	6	6	6	0	0	.2	-4.4
Construction	198	197	191	1	7	.3	3.4
General building contractors	48	47	47	0	1	.8	1.1
Heavy construction, except building	23	23	23	0	0	-.2	.6
Special trade contractors	127	127	121	0	6	.2	4.9
Manufacturing	1,099	1,119	1,128	-20	-30	-1.8	-2.6
Durable goods	726	748	761	-22	-35	-2.9	-4.6
Lumber and wood products	23	23	23	0	0	1.8	1.1
Furniture and fixtures	16	16	16	0	0	2.1	1.2
Stone, clay, and glass products	46	45	46	0	-1	.4	-1.4
Primary metal industries	99	101	104	-1	-5	-1.4	-4.4
Fabricated metal products	133	135	138	-3	-6	-2.1	-4.1
Industrial machinery and equipment	168	168	168	1	1	.5	.4
Electronic and other electric equipment	78	79	80	-1	-2	-1.2	-2.9
Transportation equipment	121	140	144	-19	-23	-13.5	-15.7
Instruments and related products	27	27	27	0	0	.1	-1.2
Nondurable goods	372	371	367	2	5	.4	1.4
Food and kindred products	65	63	63	2	2	2.7	3.1
Apparel and other textile products	15	15	16	0	-1	-.4	-4.3
Paper and allied products	38	38	37	0	1	.7	1.9
Printing and publishing	75	74	73	1	2	.7	2.9
Chemicals and allied products	66	66	65	0	1	.4	1.7
Rubber and misc. plastics products	95	97	96	-1	0	-1.5	-.3
Service–Producing Industries	3,534	3,527	3,437	6	97	.2	2.8
Transportation and Public Utilities	219	218	215	1	4	.3	1.9
Transportation	128	128	125	0	4	.4	2.9
Communications, electric, gas services	91	91	90	0	1	.3	.7

See footnotes on page 6.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jan. 1990	Dec. 1989	Jan. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	269	268	261	0	8	.2	3.2
Wholesale trade-durable goods	170	170	165	0	5	.1	2.9
Wholesale trade-nondurable goods	99	98	95	0	3	.2	3.6
Retail Trade	925	919	889	6	37	.7	4.1
Building materials and garden supplies	36	35	34	0	2	1.2	5.3
General merchandise stores	126	126	119	0	7	.1	6.3
Food stores	143	142	138	1	5	.7	3.5
Automotive dealers and service stations	101	101	98	0	4	.5	3.9
Apparel and accessory stores	50	50	47	0	3	.8	6.5
Furniture and homefurnishings stores	33	33	31	0	2	.1	5.0
Eating and drinking places	317	315	310	2	7	.7	2.1
Miscellaneous retail	120	118	112	2	8	1.4	6.7
Finance, Insurance, and Real Estate	256	255	250	2	6	.6	2.3
Finance	121	120	118	1	2	.5	2.0
Depository institutions	91	91	90	1	1	.7	1.4
Insurance	92	92	90	0	2	.5	2.1
Real estate	43	43	42	0	2	1.1	3.6
Services	1,155	1,156	1,124	-1	31	-.1	2.8
Hotels and other lodging places	38	38	38	0	0	.2	.6
Personal services	55	55	53	0	1	-.3	2.2
Business services	209	209	198	1	11	.3	5.6
Amusements, including motion pictures	53	53	57	0	-4	.4	-6.9
Health services	391	390	379	0	12	.1	3.2
Educational services	29	29	28	0	1	1.1	5.2
Legal services	60	60	62	0	-2	-.5	-2.6
Social services	73	74	71	-1	2	-1.1	3.4
Membership organizations	80	80	77	0	3	.0	3.2
Engineering and management services	87	87	85	0	2	-.5	2.1
Government	710	711	699	-1	11	-.2	1.5
Federal government	97	96	96	0	1	.2	.9
State government	159	160	156	-1	3	-.7	1.8
State government education	84	84	82	0	2	-.2	2.2
Local government	454	454	447	0	7	-.1	1.6
Local government education	265	266	260	-1	5	-.5	2.1

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,320	4,983	337	6.3	5.7	January
5,333	4,991	342	6.4	5.7	February
5,368	4,969	399	7.4	5.7	March
5,310	4,977	333	6.3	5.5	April
5,278	4,957	321	6.1	5.6	May
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January

Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
January	4,636	1,303	20	179	1,104
February	4,643	1,303	20	181	1,102
March	4,652	1,300	19	184	1,096
April	4,684	1,314	19	190	1,105
May	4,689	1,312	19	188	1,105
June	4,707	1,316	19	188	1,109
July	4,713	1,319	19	186	1,114
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,849	1,315	18	198	1,099

Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,332	210	January	252	865	247	January	1,069	690
3,341	210	February	252	868	247	February	1,073	691
3,353	210	March	253	871	248	March	1,079	692
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,534	219	January	269	925	256	January	1,155	710

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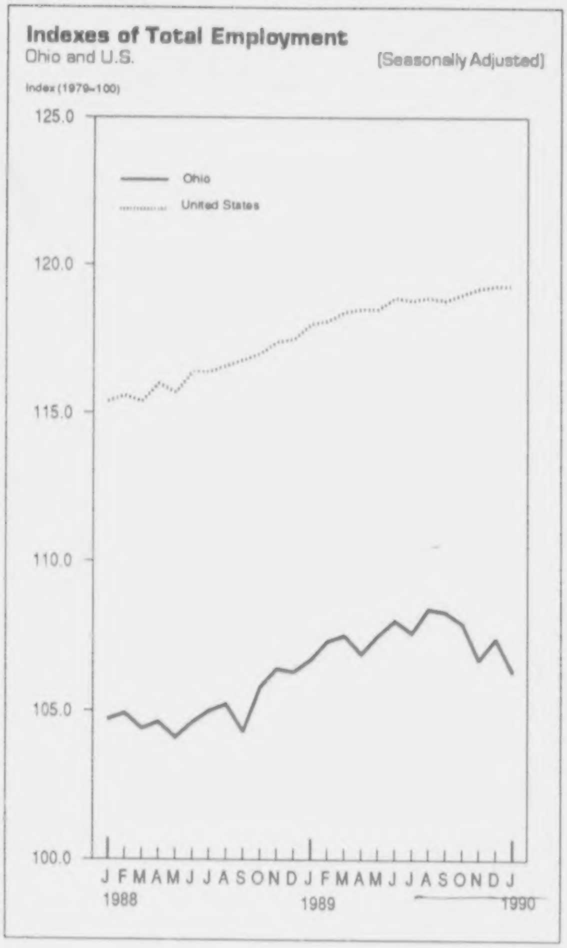
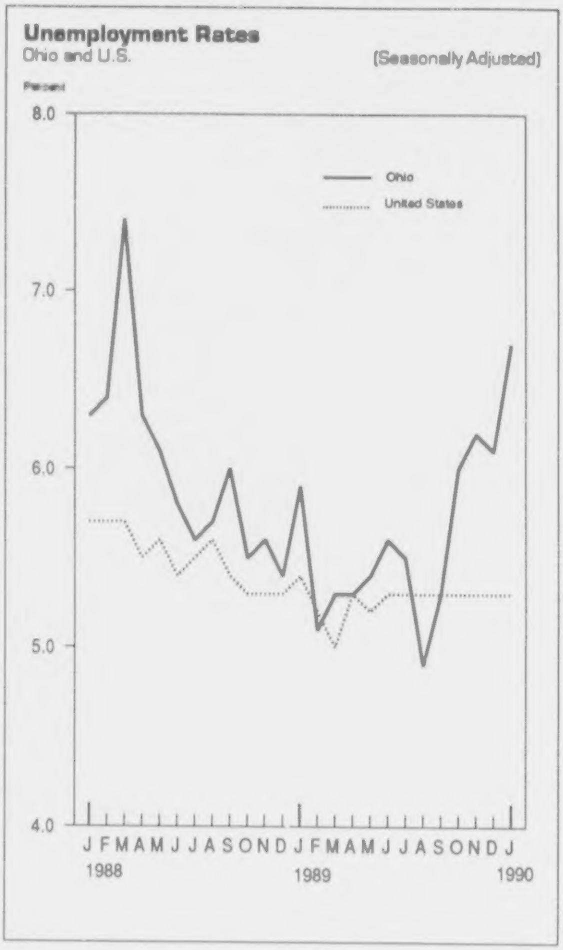
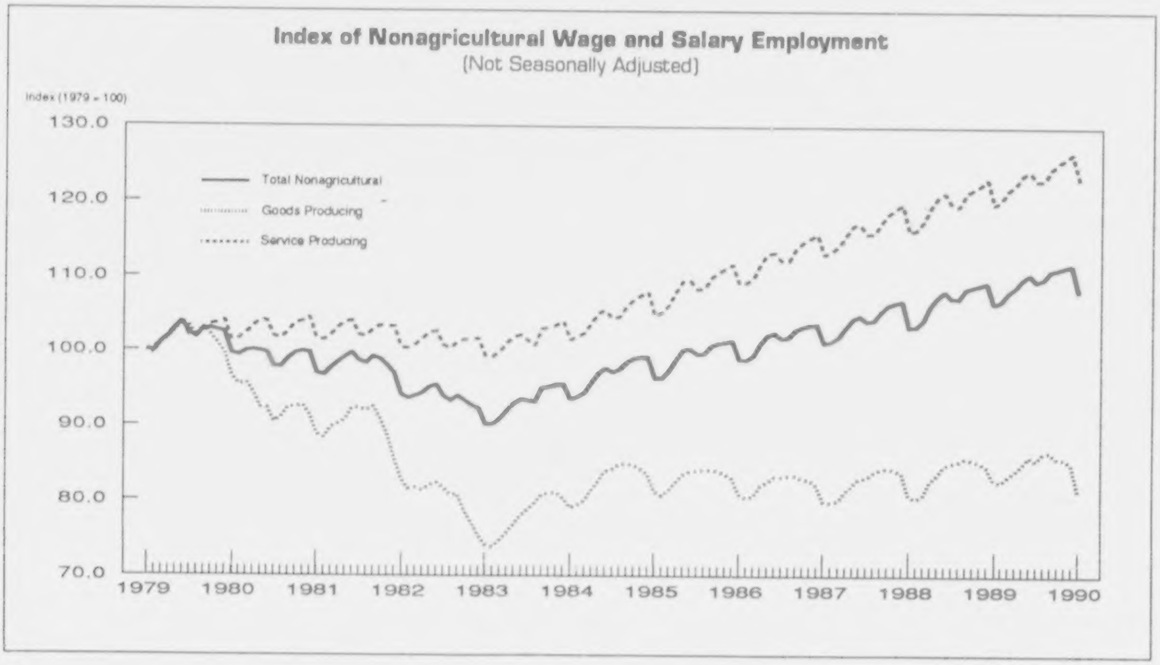
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.



Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)



Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rates			Nonagricultural Employment				
							Goods–Producing Employment			
Total	Employed	Unemployed	Ohio	U.S.		Total	Total	Mining	Construction	Manufacturing
5,059	4,760	299	5.9	5.8	**1979**	4,484.8	1,596.8	31.6	182.9	1,382.3
5,089	4,663	426	8.4	7.1	**1980**	4,367.4	1,462.5	30.7	167.4	1,264.3
5,100	4,608	492	9.6	7.6	**1981**	4,317.7	1,417.0	30.7	153.7	1,232.6
5,114	4,474	640	12.5	9.7	**1982**	4,124.3	1,264.8	30.3	134.6	1,099.9
5,099	4,478	621	12.2	9.6	**1983**	4,092.5	1,223.4	26.6	130.8	1,066.0
5,089	4,609	480	9.4	7.5	**1984**	4,260.2	1,299.7	27.8	144.8	1,127.0
5,135	4,680	455	8.9	7.2	**1985**	4,372.9	1,304.3	26.1	154.0	1,124.2
5,232	4,806	425	8.1	7.0	**1986**	4,471.4	1,293.1	22.6	160.7	1,109.8
5,253	4,886	367	7.0	6.2	**1987**	4,582.6	1,296.2	20.9	176.4	1,098.9
5,322	5,002	320	6.0	5.5	**1988**	4,700.6	1,315.1	18.9	185.6	1,110.6
5,419	5,118	300	5.5	5.3	**1989**	4,817.2	1,333.9	17.8	193.1	1,123.0
					1989					
5,359	4,994	365	6.8	6.0	**January**	4,680.9	1,301.6	17.7	165.0	1,118.9
5,355	5,043	312	5.8	5.6	**February**	4,696.4	1,297.2	17.6	161.2	1,118.4
5,351	5,043	308	5.8	5.2	**March**	4,746.9	1,309.3	17.7	169.0	1,122.6
5,333	5,066	268	5.0	5.1	**April**	4,777.0	1,320.5	17.8	181.5	1,121.2
5,393	5,117	276	5.1	5.0	**May**	4,827.0	1,333.3	17.8	191.3	1,124.2
5,505	5,184	320	5.8	5.5	**June**	4,858.3	1,351.4	18.1	201.8	1,131.5
5,483	5,210	273	5.0	5.3	**July**	4,815.3	1,343.2	15.4	209.6	1,118.2
5,481	5,223	259	4.7	5.1	**August**	4,830.3	1,358.7	18.5	212.3	1,128.0
5,425	5,158	267	4.9	5.1	**September**	4,877.8	1,361.7	18.5	211.8	1,131.4
5,477	5,169	308	5.6	5.0	**October**	4,885.7	1,347.1	18.6	212.3	1,116.3
5,434	5,113	321	5.9	5.2	**November**	4,900.8	1,346.8	18.3	205.5	1,123.0
5,421	5,094	328	6.0	5.1	**December**	4,909.6	1,335.6	18.1	195.8	1,121.7
					1990					
5,391	4,979	412	7.6	5.9	**January**	4,752.8	1,277.7	17.6	170.9	1,089.2

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	**1979**	234.0	741.2	200.6	**1979**	806.2	674.0
2,904.9	223.1	**1980**	231.7	725.5	203.8	**1980**	830.9	689.9
2,900.7	217.2	**1981**	233.6	716.5	205.8	**1981**	851.6	676.0
2,859.5	206.8	**1982**	227.1	702.3	206.4	**1982**	857.3	659.6
2,869.2	198.5	**1983**	223.6	709.9	207.8	**1983**	873.3	656.1
2,960.5	203.9	**1984**	237.9	746.8	211.5	**1984**	905.2	655.2
3,068.5	202.7	**1985**	245.1	786.5	219.3	**1985**	949.5	665.2
3,178.4	203.4	**1986**	245.7	817.1	232.3	**1986**	1,001.0	678.9
3,286.4	207.8	**1987**	249.4	846.9	243.8	**1987**	1,051.2	687.3
3,385.5	212.1	**1988**	256.4	877.4	249.0	**1988**	1,096.8	693.8
3,483.3	215.9	**1989**	264.0	904.2	252.6	**1989**	1,140.8	705.7
		1989				**1989**		
3,379.3	209.9	**January**	258.2	868.9	247.9	**January**	1,092.4	702.0
3,399.1	209.9	**February**	258.5	864.6	248.3	**February**	1,104.6	713.2
3,437.6	211.1	**March**	260.4	877.8	249.8	**March**	1,118.2	720.3
3,456.5	212.8	**April**	260.3	886.2	249.4	**April**	1,131.3	716.6
3,493.6	215.1	**May**	262.4	899.5	251.2	**May**	1,142.5	723.0
3,506.9	217.4	**June**	265.2	909.2	254.2	**June**	1,157.8	703.2
3,472.1	217.5	**July**	265.8	910.3	255.9	**July**	1,158.8	663.8
3,471.5	218.5	**August**	265.7	915.4	256.1	**August**	1,160.0	655.8
3,516.0	219.0	**September**	266.0	916.8	254.9	**September**	1,165.8	693.6
3,538.6	219.4	**October**	268.0	919.7	254.1	**October**	1,156.2	721.2
3,554.0	219.4	**November**	268.5	933.3	254.3	**November**	1,152.0	726.5
3,574.0	220.4	**December**	269.6	949.1	254.7	**December**	1,150.5	729.7
		1990				**1990**		
3,475.1	213.9	**January**	266.2	905.0	253.5	**January**	1,123.7	712.6

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,118.9	755.6	363.4	January	768.2	405.2	33.2
1,118.4	754.4	364.1	February	767.8	402.5	33.0
1,122.6	756.8	365.8	March	770.7	404.7	33.1
1,121.2	755.2	366.0	April	769.7	401.3	32.9
1,124.2	756.5	367.7	May	771.7	403.0	33.0
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.7	33.1
1,116.3	742.1	374.2	October	765.6	399.0	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,089.2	720.8	368.4	January	737.2	378.7	31.0

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
527.47	551.06	473.63	January	43.2	43.7	42.1	January	12.21	12.61	11.25
524.17	546.80	473.47	February	43.0	43.5	41.9	February	12.19	12.57	11.30
525.10	548.97	471.33	March	42.9	43.5	41.6	March	12.24	12.62	11.33
521.37	541.73	473.82	April	42.7	43.2	41.6	April	12.21	12.54	11.39
522.22	543.02	473.10	May	42.7	43.2	41.5	May	12.23	12.57	11.40
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
513.62	527.48	485.72	January	42.1	42.3	41.8	January	12.20	12.47	11.62

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
44.7	103.1	137.3	January	167.1	80.7	143.7	January	61.8	72.3	95.1
44.8	102.9	136.9	February	167.6	79.7	143.7	February	61.2	73.1	95.4
45.3	102.8	137.3	March	168.7	79.8	144.0	March	61.5	73.3	96.0
45.4	103.2	136.5	April	167.8	78.9	144.8	April	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.1	98.6	131.6	January	167.8	78.4	121.2	January	63.7	74.4	94.8

Average Weekly Earnings of Production Workers

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
473.88	629.95	516.17	January	552.27	472.49	701.88	January	441.08	445.02	459.11
469.88	619.89	510.00	February	543.01	462.04	713.11	February	440.18	451.61	450.02
475.25	621.72	509.22	March	542.68	459.95	723.31	March	448.93	454.31	441.42
478.08	624.34	509.65	April	538.46	457.60	683.55	April	455.20	448.84	444.37
473.45	620.64	514.61	May	537.34	457.19	692.19	May	454.69	446.18	450.71
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
476.28	612.05	494.27	January	524.24	454.71	675.30	January	475.02	470.77	438.19

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	4752.8	4909.6	4680.9	-156.8	71.9
Goods-Producing Industries	1277.7	1335.6	1301.6	-57.9	-23.9
Mining	17.6	18.1	17.7	-.5	-.1
Coal Mining	7.5	7.5	7.5	.0	.0
Oil and Gas Extraction	5.8	5.8	6.0	.0	-.3
Construction	170.9	195.8	165.0	-24.9	6.0
General Building Contractors	43.3	47.5	42.8	-4.3	.5
Nonresidential Building Construction	22.2	24.3	22.8	-2.2	-.6
Heavy Construction, Except Building	16.0	21.6	15.9	-5.5	.1
Highway and Street Construction	4.1	7.0	4.0	-2.9	.1
Special Trade Contractors	111.6	126.7	106.2	-15.1	5.3
Manufacturing	1089.2	1121.7	1118.9	-32.5	-29.7
Durable Goods[e]	720.8	750.0	755.6	-29.2	-34.8
Lumber and Wood Products	22.0	22.6	21.7	-.6	.3
Millwork, Plywood and Structural Members	10.0	10.2	9.7	-.3	.3
Furniture and Fixtures	15.8	15.7	15.6	.1	.2
Stone, Clay, and Glass Products	44.1	45.3	44.7	-1.2	-.6
Primary Metal Industries	98.6	100.6	103.1	-2.1	-4.6
Blast Furnace and Basic Steel Products	46.7	46.4	46.5	.2	.2
Iron and Steel Foundries	18.9	19.8	20.9	-.9	-2.0
Nonferrous Rolling and Drawing	15.2	16.5	17.8	-1.3	-2.6
Nonferrous Foundries	10.5	10.7	10.7	-.2	-.2
Fabricated Metal Products	131.6	136.0	137.3	-4.4	-5.6
Fabricated Structural Metal Products	30.3	30.5	29.9	-.2	.4
Metal Forgings and Stampings	36.1	39.1	40.5	-3.0	-4.4
Industrial Machinery and Equipment	167.8	168.0	167.1	-.2	.7
Construction and Related Machinery	14.6	14.4	14.1	.2	.5
Metalworking Machinery	47.3	47.5	47.3	-.2	.1
Special Industry Machinery	17.5	17.5	16.9	-.1	.5
General Industrial Machinery	26.2	26.4	26.2	-.2	.0
Computer and Office Equipment	11.1	11.2	11.9	-.1	-.8
Refrigeration and Service Machinery	16.1	15.9	16.4	.2	-.3
Electronic and Other Electric Equipment	78.4	79.0	80.7	-.6	-2.3
Electrical Industrial Apparatus	12.6	12.5	12.7	.1	-.1
Household Appliances	15.6	15.4	16.0	.2	-.3
Electric Lighting and Wiring Equipment	15.9	16.6	16.7	-.6	-.7
Electronic Components and Accessories	11.4	11.5	11.4	-.1	.0
Transportation Equipment	121.2	140.8	143.7	-19.6	-22.5
Motor Vehicles and Equipment	75.7	95.1	98.2	-19.4	-22.5
Aircraft and Parts	36.8	36.8	36.8	.0	.0
Instruments and Related Products	26.6	26.8	26.9	-.2	-.3
Measuring and Controlling Devices	16.1	16.3	16.5	-.1	-.4
Nondurable Goods[f]	368.4	371.7	363.4	-3.3	5.1
Food and Kindred Products	63.7	63.4	61.8	.3	1.9
Dairy Products	10.2	10.2	9.6	-.1	.5
Preserved Fruits and Vegetables	11.2	10.5	10.8	.7	.4
Bakery Products	9.6	9.5	9.3	.1	.3
Apparel and Other Textile Products	14.7	15.2	15.4	-.4	-.7
Paper and Allied Products	37.8	38.0	37.2	-.2	.7
Paperboard Containers and Boxes	13.8	14.0	13.3	-.1	.6
Miscellaneous Converted Paper Products	12.0	12.1	12.1	-.1	-.1
Printing and Publishing	74.4	75.0	72.3	-.5	2.1
Newspapers	19.1	19.0	18.8	.1	.3
Commercial Printing	27.2	27.7	26.5	-.5	.7
Chemicals and Allied Products	65.2	65.5	64.1	-.3	1.1
Plastics Materials and Synthetics	9.7	9.7	9.5	.0	.2
Rubber and Miscellaneous Plastics Products	94.8	96.7	95.1	-1.9	-.3
Tires and Inner Tubes	15.8	15.5	14.6	.3	1.2
Miscellaneous Plastics Products	56.2	58.2	57.6	-2.0	-1.4
Service-Producing Industries	3475.1	3574.0	3379.3	-98.9	95.8
Transportation and Public Utilities	213.9	220.4	209.9	-6.5	4.0
Transportation	123.7	130.0	120.2	-6.3	3.5
Railroad Transportation	12.3	12.5	12.9	-.1	-.5
Trucking and Warehousing	73.7	78.9	72.2	-5.1	1.6
Transportation by Air	13.9	13.7	12.8	.2	1.0
Communications, Electric, Gas Services	90.2	90.4	89.7	-.2	.5
Communications	46.9	47.1	47.4	-.2	-.4
Electric, Gas, and Sanitary Services	4[illegible].3	43.3	42.3	.0	.9

See footnotes on page 15.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Wholesale Trade	266.2	269.6	258.2	-3.3	8.1
Wholesale Trade-Durable Goods	168.7	170.5	163.9	-1.8	4.8
Motor Vehicles, Parts, and Supplies	22.8	22.9	22.6	-.2	2
Professional and Commercial Equipment	32.6	32.7	31.4	-.2	1.1
Metals and Minerals, Except Petroleum	11.2	11.3	11.3	-.1	-.1
Electrical Goods	18.7	18.8	18.3	-.1	.4
Hardware, Plumbing and Heating Equipment	12.7	12.8	12.3	-.1	.4
Machinery, Equipment, and Supplies	42.2	42.4	40.6	-.2	1.6
Wholesale Trade-Nondurable Goods	97.6	99.1	94.3	-1.6	3.3
Groceries and Related Products	32.2	32.8	31.0	-.6	1.2
Retail Trade	905.0	949.1	868.9	-44.1	36.2
Building Materials and Garden Supplies	32.8	35.0	31.1	-2.2	1.7
Lumber and Other Building Materials	16.9	17.6	15.9	-.8	.9
General Merchandise Stores	128.2	141.5	120.7	-13.3	7.5
Department Stores	104.7	115.1	96.8	-10.4	8.0
Variety Stores	13.6	14.9	13.7	-1.3	-.2
Food Stores	141.2	145.9	136.4	-4.7	4.8
Grocery Stores	125.2	127.9	120.8	-2.7	4.3
Automotive Dealers and Service Stations	99.7	100.1	96.0	-.4	3.7
New and Used Car Dealers	44.0	44.2	43.1	-.2	.9
Gasoline Service Stations	35.2	35.2	32.6	.0	2.7
Apparel and Accessory Stores	50.3	54.3	47.2	-4.0	3.1
Furniture and Homefurnishings Stores	33.0	34.1	31.4	-1.1	1.6
Eating and Drinking Places	300.5	312.4	294.2	-11.9	6.3
Miscellaneous Retail	119.4	125.9	111.9	-6.5	7.5
Drug Stores and Proprietary Stores	31.8	32.3	29.6	-.5	2.2
Nonstore Retailers	23.3	24.0	21.5	-.7	1.8
Finance, Insurance, and Real Estate	253.5	254.7	247.9	-1.2	5.6
Finance	120.2	120.3	118.0	.0	2.3
Depository Institutions	90.9	90.9	89.7	.0	1.2
Commercial Banks	63.8	63.8	62.1	.0	1.8
Insurance	91.9	92.0	90.0	-.1	1.9
Insurance Carriers	70.3	70.3	69.3	.0	1.0
Life Insurance	25.8	26.0	25.8	-.2	.0
Fire, Marine, and Casualty Insurance	31.3	31.1	30.3	.1	1.0
Real Estate	41.3	42.4	39.9	-1.1	1.5
Services	1123.7	1150.5	1092.4	-26.8	31.3
Hotels and Other Lodging Places	35.9	37.4	35.7	-1.5	.2
Personal Services	55.2	54.7	53.9	.5	1.3
Business Services	203.4	210.3	192.6	-6.9	10.8
Services to Buildings	31.9	32.4	30.4	-.5	1.5
Personnel Supply Services	67.5	73.8	63.4	-6.3	4.1
Computer and Data Processing Services	26.7	26.4	24.1	.3	2.6
Amusements, Including Motion Pictures	40.4	44.9	43.5	-4.4	-3.0
Health Services	388.4	391.0	376.4	-2.6	12.0
Nursing and Personal Care Facilities	84.2	84.7	81.5	-.5	2.8
Hospitals	189.0	188.9	184.5	.1	4.6
Legal Services	29.1	29.2	27.7	-.1	1.4
Educational Services	61.3	63.9	63.0	-2.6	-1.7
Colleges and Universities	33.7	35.8	35.4	-2.1	-1.8
Social Services	73.2	75.2	70.8	-1.9	2.4
Residential Care	22.5	22.7	21.4	-.1	1.1
Membership Organizations	78.2	79.4	75.7	-1.2	2.5
Engineering and Management Services	85.5	86.8	83.8	-1.3	1.7
Engineering and Architectural Services	26.0	26.4	25.2	-.4	.8
Accounting, Auditing, and Bookkeeping	22.1	21.5	21.5	.6	.6
Research and Testing Services	18.5	19.1	18.3	-.6	.3
Management and Public Relations	18.8	19.7	18.8	-.9	.1
Government	712.6	729.7	702.0	-17.0	10.7
Federal Government	96.3	97.4	95.5	-1.0	.9
U.S. Postal Service	34.2	34.8	35.1	-.6	-.9
State Government	159.3	169.1	156.4	-9.8	2.9
State Government Hospitals	15.4	16.0	15.5	-.6	-.1
State Government Education[i]	84.6	93.4	82.6	-8.9	1.9
Local Government	457.1	463.2	450.1	-6.2	6.9
Local Government Hospitals	14.8	14.8	14.4	.0	.4
Local Government Education	271.8	277.8	266.3	-6.0	5.5

See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Goods-Producing Industries	$529.17	$539.25	$534.23	41.7	41.9	42.5	$12.69	$12.87	$12.57
Mining	641.14	609.02	566.81	45.6	44.1	43.5	14.06	13.81	13.03
Coal Mining	785.09	756.33	695.84	46.4	45.1	42.9	16.92	16.77	16.22
Construction	610.74	601.73	575.67	39.1	38.4	38.2	15.62	15.67	15.07
General Building Contractors	566.19	540.57	531.16	40.5	39.2	39.2	13.98	13.79	13.55
Heavy Construction, Except Building	561.74	576.41	602.18	37.3	37.6	38.8	15.06	15.33	15.52
Special Trade Contractors	632.13	625.06	585.81	38.9	38.3	37.6	16.25	16.32	15.58
Manufacturing	513.62	527.39	527.47	42.1	42.6	43.2	12.20	12.38	12.21
Durable Goods[e]	527.48	546.12	551.06	42.3	42.9	43.7	12.47	12.73	12.61
Lumber and Wood Products	323.40	335.32	312.84	39.2	40.4	39.7	8.25	8.30	7.88
Millwork, Plywood and Structural Members	352.60	374.98	332.40	41.0	43.3	40.0	8.60	8.66	8.31
Furniture and Fixtures	380.37	377.10	355.39	40.9	40.9	39.4	9.30	9.22	9.02
Stone, Clay, and Glass Products	476.28	471.10	473.88	42.0	42.1	42.5	11.34	11.19	11.15
Primary Metal Industries	612.05	618.02	629.95	43.5	43.8	44.9	14.07	14.11	14.03
Blast Furnace and Basic Steel Products	635.60	633.28	634.13	44.2	44.1	44.5	14.38	14.36	14.25
Iron and Steel Foundries	635.54	637.38	698.89	43.5	43.3	47.0	14.61	14.72	14.87
Nonferrous Rolling and Drawing	634.51	637.70	658.80	40.7	40.8	43.2	15.59	15.63	15.25
Nonferrous Foundries	459.46	486.71	468.30	43.8	45.7	44.6	10.49	10.65	10.50
Fabricated Metal Products	494.27	502.80	516.17	41.5	41.9	42.8	11.91	12.00	12.06
Fabricated Structural Metal Products	451.82	467.67	444.11	41.3	42.4	40.3	10.94	11.03	11.02
Metal Forgings and Stampings	598.62	604.45	633.04	41.6	41.6	43.9	14.39	14.53	14.42
Industrial Machinery and Equipment	524.24	538.46	552.27	42.9	43.6	44.9	12.22	12.35	12.30
Construction and Related Machinery	460.37	467.87	431.26	41.4	41.7	40.8	11.12	11.22	10.57
Metalworking Machinery	527.17	537.75	542.92	44.3	45.0	45.7	11.90	11.95	11.88
Special Industry Machinery	534.91	543.27	511.31	44.8	45.5	44.5	11.94	11.94	11.49
General Industrial Machinery	523.52	578.92	582.03	40.9	43.3	44.6	12.80	13.37	13.05
Computer and Office Equipment	466.34	474.33	461.47	41.6	42.2	41.8	11.21	11.24	11.04
Refrigeration and Service Machinery	551.42	575.56	666.76	39.9	41.2	45.7	13.82	13.97	14.59
Electronic and Other Electric Equipment	454.71	462.44	472.49	41.3	41.4	42.3	11.01	11.17	11.17
Electrical Industrial Apparatus	455.08	442.85	453.88	43.3	42.5	43.6	10.51	10.42	10.41
Household Appliances	489.62	486.01	505.78	40.7	40.1	41.8	12.03	12.12	12.10
Electric Lighting and Wiring Equipment	442.96	466.43	487.55	39.2	39.9	41.6	11.30	11.69	11.72
Electronic Components and Accessories	337.02	334.15	376.21	41.0	40.9	42.8	8.22	8.17	8.79
Transportation Equipment	675.30	717.05	701.88	43.4	44.9	45.4	15.56	15.97	15.46
Motor Vehicles and Equipment	699.05	750.85	729.83	43.5	45.7	45.7	16.07	16.43	15.97
Aircraft and Parts	654.75	616.12	638.89	44.3	42.2	45.7	14.78	14.60	13.98
Instruments and Related Products	386.32	388.42	371.79	40.2	40.8	40.5	9.61	9.52	9.18
Measuring and Controlling Devices	389.30	381.24	370.54	40.3	40.3	39.8	9.66	9.46	9.31
Nondurable Goods[f]	485.72	485.62	473.63	41.8	41.9	42.1	11.62	11.59	11.25
Food and Kindred Products	475.02	473.18	441.08	42.0	42.4	41.3	11.31	11.16	10.68
Dairy Products	495.12	500.54	452.20	43.7	44.1	42.5	11.33	11.35	10.64
Preserved Fruits and Vegetables	509.35	520.22	487.18	42.2	43.1	42.4	12.07	12.07	11.49
Bakery Products	486.08	484.51	465.30	39.2	39.2	39.2	12.40	12.36	11.87
Apparel and Other Textile Products	301.75	294.08	314.03	38.1	37.8	39.5	7.92	7.78	7.95
Paper and Allied Products	509.80	518.97	505.52	44.1	44.7	44.5	11.56	11.61	11.36
Paperboard Containers and Boxes	447.02	442.12	448.21	42.9	42.8	43.6	10.42	10.33	10.28
Miscellaneous Converted Paper Products	463.82	491.89	446.86	44.3	45.8	44.2	10.47	10.74	10.11
Printing and Publishing	470.77	482.26	445.02	40.1	40.8	38.9	11.74	11.82	11.44
Newspapers	393.30	405.76	366.09	34.2	35.1	33.1	11.50	11.56	11.06
Commercial Printing	475.07	484.76	442.90	41.6	42.3	40.3	11.42	11.46	10.99
Chemicals and Allied Products	606.10	611.27	575.66	43.2	43.6	42.8	14.03	14.02	13.45
Plastics Materials and Synthetics	686.87	689.72	673.81	44.4	44.7	45.9	15.47	15.43	14.68
Rubber and Miscellaneous Plastics Products	438.19	433.54	459.11	41.3	40.9	43.6	10.61	10.60	10.53
Tires and Inner Tubes	715.26	718.60	659.34	45.5	45.8	44.4	15.72	15.69	14.85
Miscellaneous Plastics Products	413.91	414.06	450.55	40.5	40.2	43.7	10.22	10.30	10.31
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	616.54	615.04	569.21	42.2	42.3	40.6	14.61	14.54	14.02
Communications	558.58	561.60	540.71	39.7	40.0	39.7	14.07	14.04	13.62
Electric, Gas, and Sanitary Services	683.72	676.64	601.54	45.1	44.9	41.6	15.16	15.07	14.46
Wholesale Trade	409.38	410.69	399.45	39.1	39.3	39.2	10.47	10.45	10.19
Wholesale Trade-Durable Goods	401.06	402.19	389.86	38.9	39.2	39.3	10.31	10.26	9.92
Motor Vehicles, Parts, and Supplies	356.57	356.98	331.45	38.8	39.1	37.2	9.19	9.13	8.91
Metals and Minerals, Except Petroleum	470.96	463.14	465.25	41.9	41.8	43.4	11.24	11.08	10.72
Wholesale Trade-Nondurable Goods	423.55	[illegible]23.94	415.35	39.4	39.4	39.0	10.75	10.76	10.65

See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio (continued)

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Retail Trade[h]	$173.96	$179.09	$170.61	27.7	28.7	28.2	$6.28	$6.24	$6.05
General Merchandise Stores	185.27	200.57	176.75	28.2	31.0	28.1	6.57	6.47	6.29
Department Stores	188.66	206.27	182.25	28.2	31.3	28.3	6.69	6.59	6.44
Finance, Insurance, and Real Estate	347.16	346.41	342.58	....	....	....	.....	.....	.....
Finance	325.27	320.87	317.15	....	....	....	.....	.....	.....
Depository Institutions	279.13	274.12	273.98	....	....	....	.....	.....	.....
Commercial Banks	278.38	272.20	274.15	....	....	....	.....	.....	.....
Insurance	407.16	411.11	400.86	....	....	....	.....	.....	.....
Insurance Carriers	399.79	396.55	385.83	....	....	....	.....	.....	.....
Life Insurance	370.61	368.65	356.10	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	426.91	425.20	402.20	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	231.44	226.56	208.53	32.1	32.0	31.5	7.21	7.08	6.62
Health Services	312.30	306.86	293.83	31.9	31.7	31.8	9.79	9.68	9.24
Nursing and Personal Care Facilities	204.14	202.25	189.00	31.6	31.7	31.5	6.46	6.38	6.00
Hospitals	369.33	362.84	346.50	32.8	32.6	33.0	11.26	11.13	10.50
Engineering and Management Services	475.42	473.37	429.01	35.4	35.3	35.9	13.43	13.41	11.95
Engineering and Architectural Services	664.25	659.56	588.17	32.9	32.7	34.7	20.19	20.17	16.95
Research and Testing Services	381.31	382.10	338.10	36.7	36.6	34.5	10.39	10.44	9.80

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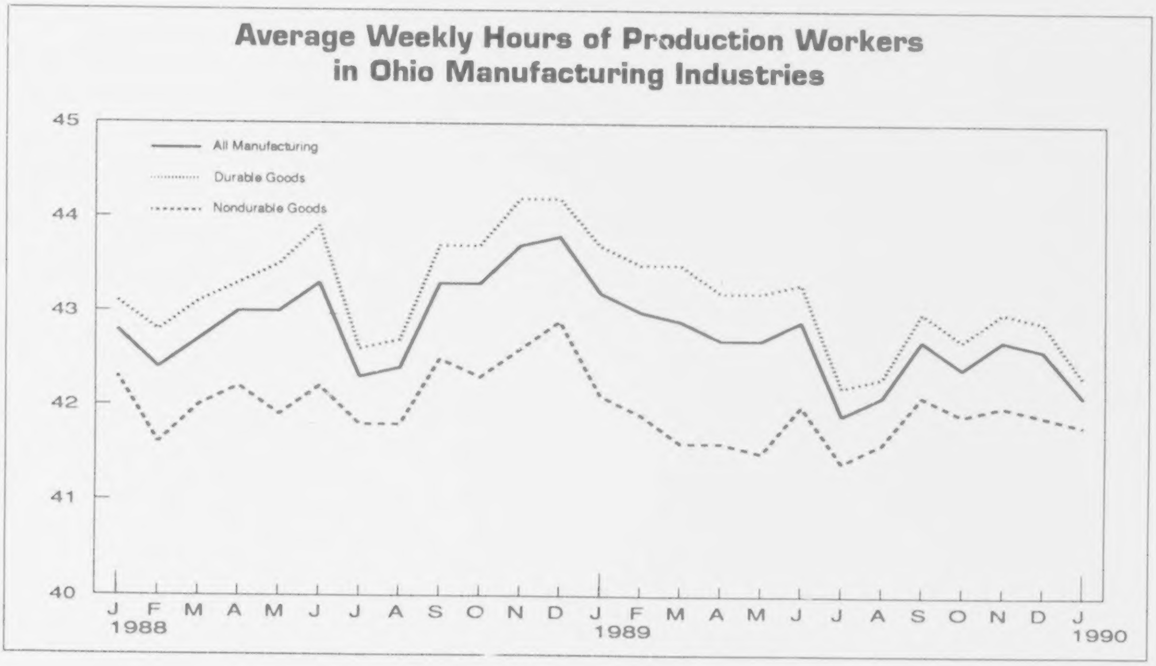
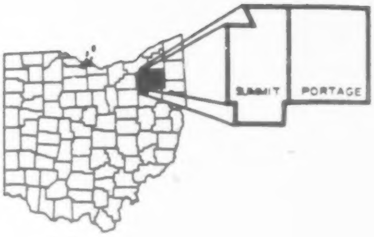
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.


Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

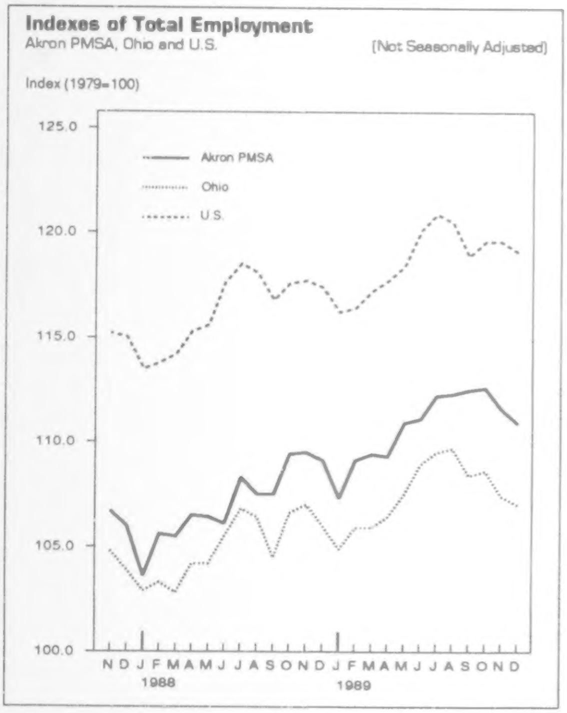
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

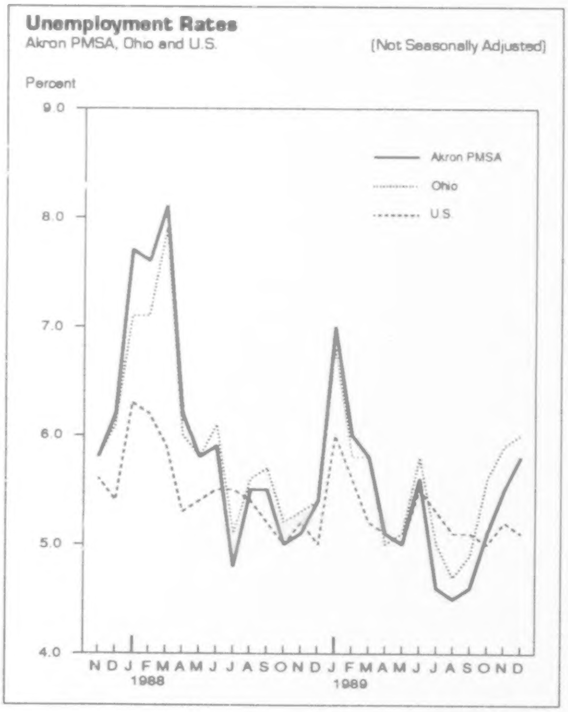


Nonagricultural payroll employment in the Akron metropolitan area totaled 278,800 in January 1990, down 10,600 from the December 1989 level. Service-producing industries declined 9,300 due to seasonal layoffs of nonteaching personnel in state schools and colleges and the cyclical downturn in retail trade and services. Employment in goods-producing industries dropped 1,300 from last month to 76,900. A seasonal decrease in construction negated a nominal gain in manufacturing, especially rubber and miscellaneous plastics products. Factory production workers averaged $11.67 per hour, down $.04 from December. Their average workweek of 43.0 hours was .1 hours shorter.

Nonfarm wage and salary employment advanced 11,600 between January 1989 and January 1990. Service-producing industries added 10,300 jobs due chiefly to growth in services and retail trade. A labor-management dispute in local schools lowered employment in government in January 1989. Scattered gains in manufacturing raised employment in goods-producing industries 1,200 over the year. Increased production in rubber and miscellaneous plastics products, especially tires and inner tubes, and in industrial machinery and equipment overshadowed a reduction in transportation equipment.

Seasonally adjusted employment in the Akron area was unchanged from December 1989 at 286,000 in January 1990. Scattered improvements in goods-producing industries counterbalanced a slight decline in service-producing industries. Over the year, total employment increased 11,000 primarily due to gains in retail trade and services and to the settlement of a labor-management dispute in local government.





Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
Total	Employed	Unemployed						Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.8	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	272.7	66.2	37.7	502.28	43.3	11.60
334.1	316.1	18.0	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1988						
329.3	311.3	17.9	5.4	December	279.1	66.4	38.9	499.82	43.2	11.57
				1989						
329.4	306.2	23.2	7.0	January	267.3	66.6	39.0	496.78	42.9	11.58
331.3	311.4	19.9	6.0	February	271.9	66.7	39.1	489.60	42.5	11.52
331.2	312.1	19.1	5.8	March	278.8	67.5	39.5	495.62	42.8	11.58
328.6	311.8	16.7	5.1	April	281.2	67.7	39.8	493.85	42.5	11.62
333.1	316.5	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
335.7	317.0	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.4	320.1	15.3	4.6	July	281.6	68.5	40.1	482.05	42.1	11.45
335.6	320.6	15.0	4.5	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
338.9	321.5	17.3	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
337.1	318.4	18.7	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
336.2	316.6	19.7	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
.A	INA	INA	INA	January	278.8	67.8	38.7	501.81	43.0	11.67

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
275	78	10	67	January	197	13	15	54	10	64	40
277	78	10	67	February	199	13	15	54	10	64	42
282	79	10	68	March	203	13	16	55	10	65	44
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
284	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
286	79	10	68	January	207	13	16	57	11	67	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	278.8	289.4	267.3	-10.6	11.6
Goods-Producing Industries[g]	76.9	78.2	75.7	-1.3	1.2
Construction	8.5	9.9	8.5	-1.4	.0
Manufacturing	67.8	67.7	66.6	.1	1.2
Durable Goods[e]	35.0	35.0	34.6	.0	.3
Fabricated Metal Products	11.1	11.1	10.9	.0	.2
Fabricated Structural Metal Products	4.9	4.9	4.7	.0	.2
Industrial Machinery and Equipment	10.2	10.3	9.9	.0	.4
Metalworking Machinery	3.9	3.9	3.7	.0	.2
Electronic and Other Electric Equipment[h]	2.6	2.5	2.6	.0	.0
Transportation Equipment	5.0	4.9	5.5	.0	-.5
Nondurable Goods[f]	32.8	32.7	32.0	.2	.9
Food and Kindred Products	3.1	3.1	3.0	.0	.1
Chemicals and Allied Products	3.6	3.6	3.6	.0	.1
Rubber and Miscellaneous Plastics Products	20.3	20.1	19.5	.2	.8
Tires and Inner Tubes	11.4	11.1	10.4	.3	1.0
Service-Producing Industries	201.9	211.2	191.6	-9.3	10.3
Transportation and Public Utilities	13.1	13.3	12.7	-.2	.4
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.2
Wholesale Trade	15.6	15.8	15.2	-.1	.4
Retail Trade	55.2	57.9	52.3	-2.7	2.8
General Merchandise Stores	8.0	8.6	6.4	-.6	1.6
Food Stores	9.1	9.5	8.7	-.4	.4
Finance, Insurance, and Real Estate	10.5	10.5	10.1	.0	.4
Finance	5.3	5.4	5.1	.0	.2
Services	65.1	67.1	62.1	-1.9	3.0
Business Services	11.2	11.7	10.3	-.5	.8
Personnel Supply Services	2.8	3.3	2.8	-.5	.0
Amusements, Including Motion Pictures	5.0	5.2	3.9	-.2	1.0
Health Services	21.8	21.9	21.2	-.1	.6
Nursing and Personal Care Facilities	3.9	3.9	3.6	.0	.3
Hospitals	10.9	10.9	10.8	.0	.1
Social Services	4.5	4.9	4.5	-.4	-.1
Engineering and Management Services	5.0	5.1	4.7	-.2	.2
Government	42.4	46.7	39.1	-4.3	3.3
Federal Government	2.4	2.4	2.4	-.1	-.1
State Government	13.9	17.7	12.8	-3.8	1.1
State Government Education[i]	11.1	14.9	9.9	-3.8	1.2
Local Government	26.1	26.5	23.9	-.4	2.2
Local Government Education	14.4	14.8	12.4[j]	-.3	2.1

Akron PMSA

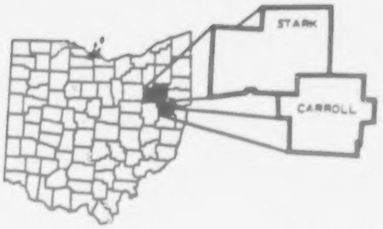
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$501.81	$504.70	$496.78	43.0	43.1	42.9	$11.67	$11.71	$11.58
Durable Goods[e]	504.82	515.79	515.16	43.0	43.6	43.4	11.74	11.83	11.87
Fabricated Metal Products	589.40	569.38	622.31	42.1	41.2	42.8	14.00	13.82	14.54
Fabricated Structural Metal Products	493.48	486.33	432.38	42.8	42.4	39.2	11.53	11.47	11.03
Industrial Machinery and Equipment	484.55	512.60	470.02	44.7	46.6	45.9	10.84	11.00	10.24
Metalworking Machinery	499.50	516.32	496.80	45.0	46.1	46.0	11.10	11.20	10.80
Electronic and Other Electric Equipment	375.18	400.32	388.85	39.0	40.6	39.8	9.62	9.86	9.77
Transportation Equipment	638.15	695.84	675.55	43.5	45.9	45.4	14.67	15.16	14.88
Nondurable Goods[f]	499.10	487.30	471.80	43.1	42.3	42.2	11.58	11.52	11.18
Food and Kindred Products	371.94	397.28	433.05	39.4	41.6	41.8	9.44	9.55	10.36
Chemicals and Allied Products	529.00	531.83	503.37	43.9	43.7	42.3	12.05	12.17	11.90
Rubber and Miscellaneous Plastics Products	513.26	493.93	468.42	44.4	43.1	42.7	11.56	11.46	10.97
Tires and Inner Tubes	795.14	828.65	756.90	47.9	50.1	47.1	16.60	16.54	16.07
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	593.41	605.68	576.10	40.7	41.4	40.8	14.58	14.63	14.12
Wholesale Trade	358.06	356.09	346.33	36.8	36.9	37.2	9.73	9.65	9.31
Retail Trade[h]	212.66	220.89	207.37	31.0	32.2	32.2	6.86	6.86	6.44
General Merchandise Stores	199.47	214.51	207.67	30.5	32.6	31.9	6.54	6.58	6.51
Food Stores	314.94	313.63	332.87	36.2	36.3	39.3	8.70	8.64	8.47
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......
Finance	288.24	277.11	270.32	......	......	......	......	......	......

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

CANTON
METROPOLITAN STATISTICAL AREA

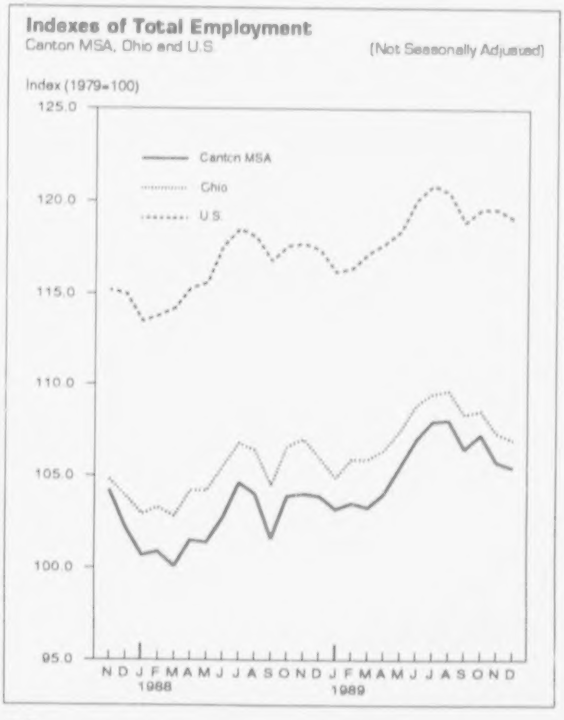


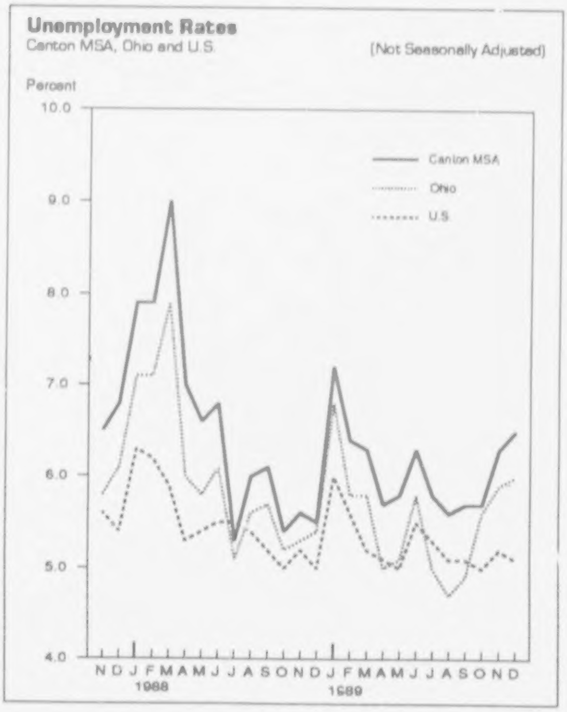
Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

Nonfarm payroll employment in the Canton metropolitan area decreased 3,900 from the December 1989 level to 163,300 in January 1990. Seasonal reductions in retail trade and services lowered service-producing industries 2,800. Employment in goods-producing industries, at 52,400, declined 1,100 due to cyclical cutbacks in construction. Manufacturing production workers averaged $11.21 per hour, down fractionally from December. Their average workweek of 42.2 hours was .5 hours longer.

Nonagricultural wage and salary employment advanced 2,100 between January 1989 and January 1990. The growth was concentrated in the service-producing sector with moderate expansion in services (+1,300) and retail trade (+1,200). Goods-producing industries lost 700 jobs during the period with scattered reductions in durable-goods manufacturing, especially primary metal industries, fabricated metal products, and electronic and other electric equipment.

Seasonally adjusted employment in the Canton area, at 166,000 in January 1990, was unchanged from December 1989. A slight increase in retail trade offset a minor reduction in wholesale trade. Since January 1989, total payroll employment rose 2,000. Modest growth in retail trade and services overshadowed declines in manufacturing and wholesale trade.


Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.7	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
195.4	183.5	11.9	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1988						
191.0	180.5	10.4	5.5	December	163.8	46.3	33.4	471.41	42.7	11.04
				1989						
193.0	179.2	13.9	7.2	January	161.2	46.2	33.3	475.58	43.0	11.06
192.1	179.7	12.3	6.4	February	160.8	46.1	33.1	463.94	42.1	11.02
191.5	179.4	12.1	6.3	March	162.2	46.2	33.1	464.67	41.9	11.09
191.7	180.7	11.0	5.7	April	163.0	46.0	33.1	469.56	42.0	11.18
194.6	183.3	11.3	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
198.4	185.9	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
199.3	187.6	11.6	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
198.7	187.7	11.0	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
196.1	185.0	11.1	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
197.6	186.3	11.3	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
196.0	183.7	12.3	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
196.1	183.3	12.8	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
INA	INA	INA	INA	January	163.3	45.6	31.7	473.06	42.2	11.21

INA – information not available
*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	66	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	55	7	47	January	110	6	9	32	7	37	19
165	55	8	47	February	110	6	9	32	7	37	19
165	55	7	47	March	110	6	9	33	7	38	19
164	54	7	46	April	110	6	8	32	7	38	19
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	163.3	167.2	161.2	-3.9	2.1
Goods-Producing Industries[g]	52.4	53.5	53.1	-1.1	-.7
Construction	6.1	7.1	6.1	-1.0	.0
Manufacturing	45.6	45.6	46.2	-.1	-.6
Durable Goods[e]	33.6	33.7	34.5	-.1	-.9
Primary Metal Industries	11.2	11.3	11.8	-.1	-.6
Fabricated Metal Products	6.2	6.3	6.6	.0	-.4
Electronic and Other Electric Equipment	4.0	4.0	4.5	.0	-.4
Nondurable Goods[f]	12.0	12.0	11.8	.0	.2
Food and Kindred Products	3.5	3.4	3.2	.0	.2
Rubber and Miscellaneous Plastics Products	3.1	3.1	3.2	.0	-.1
Service-Producing Industries	110.8	113.7	108.1	-2.8	2.8
Transportation and Public Utilities	5.5	5.6	5.6	-.2	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.4	8.5	8.5	-.1	-.1
Retail Trade	32.8	34.5	31.7	-1.6	1.2
General Merchandise Stores	4.2	4.6	3.8	-.4	.4
Food Stores	5.5	5.7	5.5	-.2	.0
Finance, Insurance, and Real Estate	6.8	6.8	6.8	.0	.0
Finance	3.9	3.9	3.8	.0	.1
Services	37.7	38.6	36.4	-.8	1.3
Health Services	15.7	15.7	15.2	-.1	.5
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.3	7.3	7.1	.0	.2
Government	19.6	19.7	19.1	-.1	.5
Federal Government	1.4	1.4	1.4	.0	-.1
State Government (Includes Education)	1.7	1.7	1.7	-.1	.0
Local Government	16.6	16.6	16.1	.0	.5
Local Government Education	10.1	10.1	9.7	.0	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

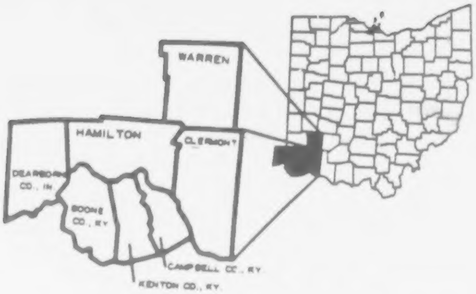
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan 1989[c]
Manufacturing	$473.06	$467.87	$475.58	42.2	41.7	43.0	$11.21	$11.22	$11.06
Durable Goods[e]	501.12	493.00	508.12	43.2	42.5	44.3	11.60	11.60	11.47
Primary Metal Industries	540.54	516.12	540.62	45.5	44.0	47.8	11.88	11.73	11.31
Fabricated Metal Products	487.49	488.38	486.30	41.0	40.8	40.9	11.89	11.97	11.89
Electronic and Other Electric Equipment	532.27	534.93	521.37	39.9	40.1	40.7	13.34	13.34	12.81
Nondurable Goods[f]	391.43	390.43	376.74	39.3	39.2	39.0	9.96	9.96	9.66
Food and Kindred Products	393.59	409.11	344.52	37.7	39.0	36.0	10.44	10.49	9.57
Rubber and Miscellaneous Plastics Products	400.16	393.72	402.82	41.0	40.8	41.7	9.76	9.65	9.66
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	570.57	581.58	575.28	39.9	40.5	40.8	14.30	14.36	14.10
Wholesale Trade	365.69	371.42	387.98	37.7	37.9	38.0	9.70	9.80	10.21
Retail Trade[h]	170.24	174.87	161.88	28.0	29.0	28.4	6.08	6.03	5.70
General Merchandise Stores	187.05	209.95	192.18	29.0	32.3	30.7	6.45	6.50	6.26
Food Stores	160.56	162.66	154.00	27.4	27.9	27.5	5.86	5.83	5.60
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	188.48	180.25	170.81	30.4	29.5	29.5	6.20	6.11	5.79

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

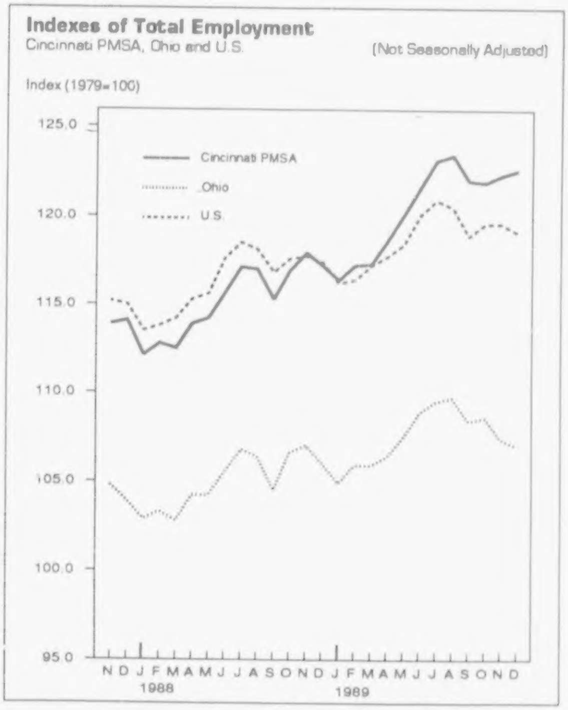
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

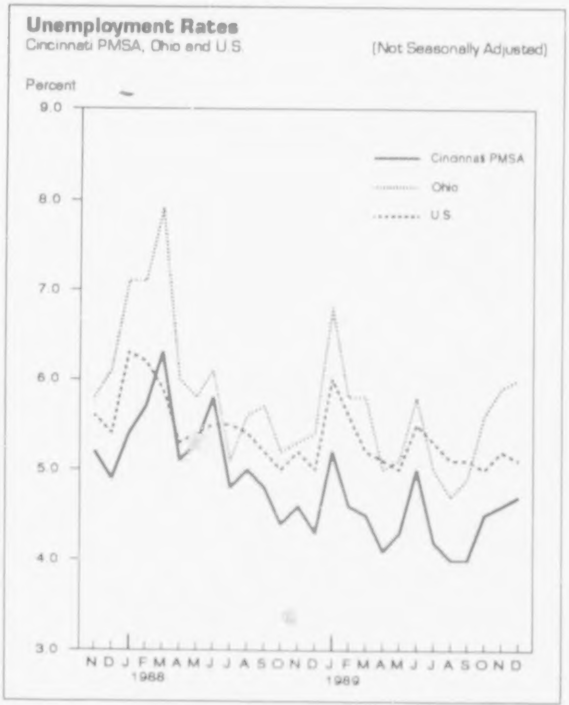


In the Cincinnati metropolitan area, total nonfarm payroll employment dropped 22,300 below the December 1989 level to 725,900 in January 1990. The release of temporary workers in services and retail trade lowered service-producing industries 18,400. Employment in goods-producing industries declined 3,900 over the month to 181,100 mainly due to seasonal layoffs in construction. Manufacturing production workers averaged $11.71 per hour, up $.07 from December. Their average workweek was unchanged at 42.8 hours.

Nonagricultural wage and salary employment advanced 24,000 between January 1989 and January 1990. Service-producing industries contributed 77.5 percent of the gain. Leading areas of improvement were retail trade (+8,400) and services (+5,000). Noteworthy increases also occurred in transportation and public utilities and wholesale trade. Expansion in manufacturing, especially transportation equipment, food and kindred products, and printing and publishing, and modest growth in construction raised employment in goods-producing industries 5,400 during the period.

Seasonally adjusted employment in the Cincinnati area totaled 740,000 in January 1990, unchanged from December 1989. Gains in manufacturing, transportation and public utilities, and retail trade offset a decline in services. Since January 1989, total payroll employment rose 24,000. Most of the growth occurred in retail trade, services, manufacturing, and transportation and public utilities.


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
792.6	757.1	35.5	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1988						
768.8	736.1	32.7	4.3	December	718.9	147.1	92.9	495.63	43.4	11.42
				1989						
771.2	730.9	40.3	5.2	January	701.9	144.6	91.3	490.20	42.7	11.48
771.5	736.3	35.3	4.6	February	704.5	144.2	91.1	495.92	42.9	11.56
772.0	736.9	35.1	4.5	March	713.1	144.8	91.4	490.14	42.4	11.56
776.6	744.9	31.7	4.1	April	717.9	144.8	91.3	494.04	42.7	11.57
788.8	754.5	34.3	4.3	May	722.9	144.7	91.3	487.90	42.5	11.48
803.5	763.7	39.8	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
807.8	773.5	34.3	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
806.8	774.8	32.0	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
798.2	766.2	32.0	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
801.6	765.6	36.0	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
805.2	768.2	37.0	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
807.9	769.8	38.1	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
INA	INA	INA	INA	January	725.9	148.9	93.9	501.19	42.8	11.71

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
716	180	34	146	January	536	38	47	139	42	180	89
720	181	35	146	February	539	39	47	140	42	181	90
724	182	35	146	March	542	39	47	141	43	183	90
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
740	186	35	150	January	555	41	49	147	43	186	90

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	725.9	748.2	701.9	-22.3	24.0
Goods-Producing Industries[g]	181.1	185.0	175.7	-3.9	5.4
Construction	31.8	34.9	30.7	-3.1	1.1
Manufacturing	148.9	149.7	144.6	-.8	4.3
Durable Goods[e]	80.6	81.1	78.4	-.5	2.2
Fabricated Metal Products	12.4	12.4	12.2	-.1	.2
Fabricated Structural Metal Products	4.6	4.6	4.3	.0	.3
Industrial Machinery and Equipment	19.6	19.6	19.3	.0	.4
Electronic and Other Electric Equipment	8.0	8.0	7.7	.0	.3
Transportation Equipment	24.8	24.8	23.8	.0	.9
Motor Vehicles and Equipment	5.0	5.0	4.9	.0	.1
Instruments and Related Products	3.7	3.7	3.5	-.1	.2
Nondurable Goods[f]	68.3	68.6	66.3	-.3	2.1
Food and Kindred Products	12.6	12.6	11.9	.0	.7
Beverages	2.9	2.9	2.9	.0	.0
Apparel and Other Textile Products	3.7	3.7	3.4	-.1	.2
Paper and Allied Products	6.0	6.0	5.8	.0	.2
Printing and Publishing	14.4	14.5	13.7	.0	.7
Commercial Printing	6.4	6.4	6.1	.0	.3
Chemicals and Allied Products	22.3	22.4	22.5	-.1	-.2
Rubber and Miscellaneous Plastics Products	6.6	6.7	6.6	-.1	.1
Service-Producing Industries	544.7	563.1	526.2	-18.4	18.6
Transportation and Public Utilities	39.8	40.5	37.7	-.7	2.1
Transportation	23.5	24.2	22.0	-.6	1.6
Trucking and Warehousing	10.6	11.1	9.8	-.5	.8
Transportation by Air	6.3	6.2	5.8	.0	.5
Communications, Electric, Gas Services	16.2	16.3	15.7	.0	.5
Communications	9.8	9.9	9.7	-.1	.0
Wholesale Trade	48.7	49.2	46.7	-.5	2.0
Wholesale Trade-Durable Goods	29.0	29.2	28.2	-.2	.9
Retail Trade	144.5	151.8	136.0	-7.3	8.4
General Merchandise Stores	22.4	24.4	19.9	-2.1	2.5
Finance, Insurance, and Real Estate	42.3	42.7	41.7	-.4	.5
Finance	17.3	17.3	17.0	.0	.3
Depository Institutions	13.6	13.6	13.3	.0	.4
Commercial Banks	9.5	9.4	9.2	.0	.2
Insurance	17.0	17.0	17.1	-.1	-.1
Insurance Carriers	14.2	14.2	14.5	.0	-.3
Life Insurance	6.8	6.8	7.0	-.1	-.2
Fire, Marine, and Casualty Insurance	5.1	5.0	5.0	.0	.1
Services	179.3	187.2	174.2	-8.0	5.0
Hotels and Othar Lodging Places	7.0	7.4	6.7	-.4	.3
Personal Services	8.7	8.4	8.4	.3	.3
Business Services	35.6	37.3	35.5	-1.8	.1
Services to Buildings	5.7	5.9	5.6	-.2	.1
Computer and Data Processing Services	4.6	4.6	4.3	.0	.3
Amusements, Including Motion Pictures	8.6	12.1	8.6	-3.6	.0
Health Services	56.6	57.1	54.7	-.5	1.9
Nursing and Personal Care Facilities	11.0	11.1	10.5	-.1	.4
Hospitals	27.1	27.2	26.5	.0	.7
Legal Services	4.4	4.5	4.1	.0	.3
Educational Services	7.1	7.3	6.9	-.2	.2
Social Services	12.2	12.4	11.7	-.2	.5
Residential Care	4.7	4.8	4.5	-.1	.2
Engineering and Management Services	16.0	16.5	15.6	-.4	.4
Engineering and Architectural Services	5.6	5.7	5.5	-.1	.1
Government	90.2	91.7	89.8	-1.5	.5
Federal Government	16.2	16.0	16.0	.2	.2
State Government	20.5	21.1	20.4	-.6	.1
State Government Education[i]	12.6	13.0	12.6	-.4	.0
Local Government	53.6	54.7	53.4	-1.1	.2
Local Government Education	0.6	31.6	30.6	-1.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

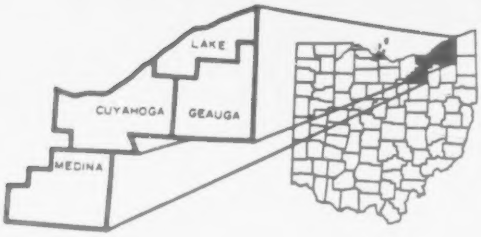
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$501.19	$498.19	$490.20	42.8	42.8	42.7	$11.71	$11.64	$11.48
Durable Goods[e]	488.63	488.20	496.22	42.9	42.9	43.3	11.39	11.38	11.46
Fabricated Metal Products	417.18	423.36	443.83	42.7	43.2	43.3	9.77	9.80	10.25
Fabricated Structural Metal Products	447.89	473.25	501.02	43.4	44.9	45.3	10.32	10.54	11.06
Industrial Machinery and Equipment	471.28	481.78	453.69	43.0	43.6	42.6	10.96	11.05	10.65
Electronic and Other Electric Equipment	386.98	380.07	358.50	41.7	41.0	40.6	9.28	9.27	8.83
Transportation Equipment	725.40	708.72	770.36	45.0	43.4	47.7	16.12	16.33	16.15
Motor Vehicles and Equipment	792.90	885.01	862.52	45.7	48.6	49.4	17.35	18.21	17.46
Instruments and Related Products	348.57	380.68	326.65	43.9	45.7	41.4	7.94	8.33	7.89
Nondurable Goods[f]	513.25	508.56	483.73	42.7	42.7	42.1	12.02	11.91	11.49
Food and Kindred Products	517.41	494.28	482.38	43.7	42.5	41.3	11.84	11.63	11.68
Beverages	568.46	576.79	501.20	43.0	43.4	40.0	13.22	13.29	12.53
Apparel and Other Textile Products	247.94	250.65	229.25	38.5	38.8	38.4	6.44	6.46	5.97
Paper and Allied Products	466.71	453.84	442.89	42.7	42.1	42.1	10.93	10.78	10.52
Printing and Publishing	492.34	508.57	445.31	41.2	42.1	39.2	11.95	12.08	11.36
Commercial Printing	519.60	532.61	473.89	43.3	44.2	41.9	12.00	12.05	11.31
Chemicals and Allied Products	635.36	634.57	589.91	44.0	44.5	43.6	14.44	14.26	13.53
Rubber and Miscellaneous Plastics Products	410.90	401.10	432.91	42.1	42.0	46.3	9.76	9.55	9.35
Transportation and Public Utilities	......	......	......	....	....	....	......	......	......
Communications, Electric, Gas Services	580.68	577.37	583.57	39.8	39.6	41.3	14.59	14.58	14.13
Communications	579.22	571.34	576.91	38.9	38.5	40.4	14.89	14.84	14.28
Wholesale Trade	430.49	429.24	411.93	39.1	39.2	39.8	11.01	10.95	10.35
Retail Trade[h]	167.59	174.53	163.59	27.7	28.8	28.5	6.05	6.06	5.74
General Merchandise Stores	204.90	221.76	194.24	30.0	32.0	29.7	6.83	6.93	6.54
Finance, Insurance, and Real Estate	......	......	......	....	....	....	......	......	......
Finance	......	......	......	....	....	....	......	......	......
Depository Institutions	304.87	299.54	265.16	....	....	....	......	......	......
Commercial Banks	279.14	269.08	262.08	....	....	....	......	......	......
Insurance	......	......	......	....	....	....	......	......	......
Insurance Carriers	408.36	409.09	393.48	....	....	....	......	......	......
Life Insurance	418.10	417.21	407.52	....	....	....	......	......	......
Fire, Marine, and Casualty Insurance	418.08	421.88	387.79	....	....	....	......	......	......
Services	......	......	......	....	....	....	......	......	......
Health Services	......	......	......	....	....	....	......	......	......
Hospitals	428.52	427.80	376.53	33.4	33.5	32.6	12.83	12.77	11.55
Engineering and Management Services	......	......	......	....	....	....	......	......	......
Engineering and Architectural Services	649.72	659.28	569.25	41.2	41.7	41.4	15.77	15.81	13.75

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

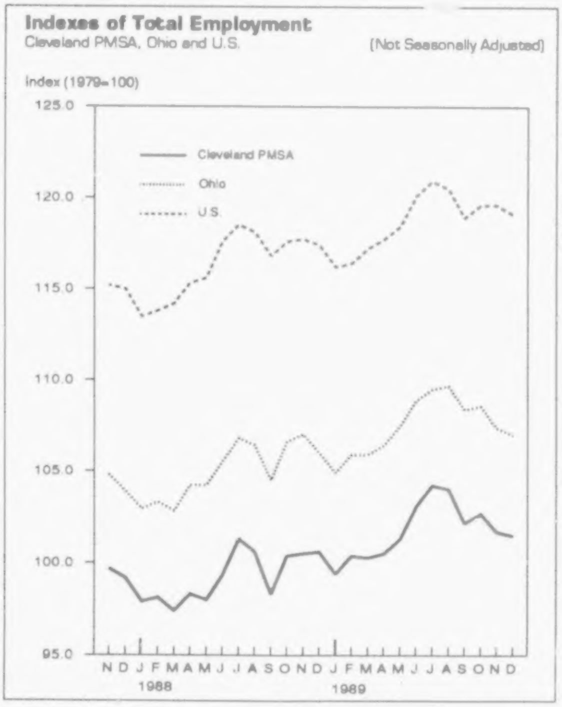
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

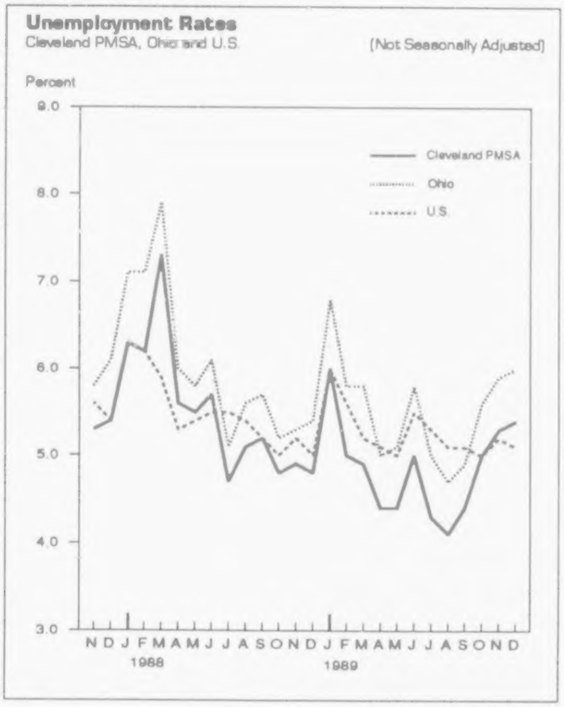


Nonagricultural payroll employment in the Cleveland metropolitan area fell 27,500 below the December 1989 level to 926,000 in January 1990. Service-producing industries declined 20,400 due chiefly to seasonal decreases in retail trade and services. Less business in construction, especially special trade contractors, and temporary shutdowns in durable-goods manufacturing, particularly metal forgings and stampings and motor vehicles and equipment, lowered employment in goods-producing industries 7,100 to 235,800. Factory production workers averaged $11.68 per hour, down $.22 from December. Their average workweek of 42.4 hours was .6 hours shorter.

Nonfarm wage and salary employment advanced 17,600 between January 1989 and January 1990. Service-producing industries contributed 88.6 percent of the gain. Primary growth industries were services and retail trade. Noteworthy improvements also occurred in wholesale trade, local government, and transportation and public utilities. The workforce in goods-producing industries added 2,000 jobs over the year. Modest expansion in construction, especially special trade contractors, and in nondurable-goods manufacturing more than offset a decline in durable-goods manufacturing, particularly metal forgings and stampings.

Seasonally adjusted employment in the Cleveland area increased 1,000 from December 1989 to 945,000 in January 1990 due to scattered gains in service-producing industries. A decline in construction reduced goods-producing employment 1,000. Since January 1989, total payroll employment rose 19,000. Most of the growth occurred in service-producing industries, especially services and retail trade.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S.
[Not Seasonally Adjusted]


Unemployment Rates
Cleveland PMSA, Ohio and U.S.
[Not Seasonally Adjusted]

Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
935.8	889.1	46.7	5.0	**1979**	919.7	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	**1980**	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	**1981**	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	**1982**	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	**1983**	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	**1984**	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	**1985**	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	**1986**	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	**1987**	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	**1988**	911.3	203.3	131.1	508.65	43.4	11.72
951.0	904.8	46.2	4.9	**1989**	935.2	207.0	133.3	509.87	43.1	11.83
				1988						
939.6	894.4	45.2	4.8	**December**	932.1	206.9	134.7	532.36	44.4	11.99
				1989						
940.3	883.9	56.4	6.0	**January**	908.4	205.4	133.3	522.97	43.8	11.94
939.7	892.4	47.3	5.0	**February**	911.5	206.1	133.4	513.42	43.4	11.83
938.3	892.2	46.1	4.9	**March**	920.7	206.9	134.0	517.85	43.7	11.85
934.6	893.2	41.4	4.4	**April**	922.0	206.0	133.3	517.53	43.6	11.87
942.2	900.4	41.8	4.4	**May**	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	**June**	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.0	41.2	4.3	**July**	943.5	206.0	131.7	484.78	41.9	11.57
964.5	924.6	39.9	4.1	**August**	941.6	206.6	132.1	494.49	42.3	11.69
950.6	908.9	41.7	4.4	**September**	945.9	207.7	133.3	517.65	43.5	11.90
961.0	912.8	48.2	5.0	**October**	947.7	207.4	133.3	507.94	42.9	11.84
955.2	904.6	50.6	5.3	**November**	949.2	207.9	133.7	509.98	43.0	11.86
953.9	902.8	51.1	5.4	**December**	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
INA	INA	INA	INA	**January**	926.0	205.9	131.7	495.23	42.4	11.68

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	**1979**	608	48	66	147	48	182	118
896	286	30	255	**1980**	610	46	64	141	48	188	123
881	276	28	247	**1981**	605	45	63	137	48	192	120
845	249	25	223	**1982**	595	43	61	134	48	192	117
830	234	25	207	**1983**	596	41	59	136	48	196	116
854	243	28	214	**1984**	612	42	62	141	49	204	115
869	240	28	211	**1985**	629	41	63	146	50	213	116
879	232	26	205	**1986**	647	41	62	150	52	225	116
892	230	28	201	**1987**	662	41	61	154	55	233	117
911	234	29	203	**1988**	678	41	64	157	56	243	116
935	241	33	207	**1989**	694	42	66	159	57	252	118
				1989							
926	239	32	207	**January**	687	42	65	157	57	249	118
931	241	32	208	**February**	690	41	66	159	57	250	118
936	242	33	208	**March**	694	42	66	159	57	252	119
928	241	33	207	**April**	688	42	66	158	57	250	116
932	241	33	207	**May**	691	42	66	158	57	250	118
934	241	33	207	**June**	693	42	66	158	57	251	118
934	240	33	206	**July**	694	42	66	159	57	253	117
935	241	33	207	**August**	694	42	67	160	57	253	116
939	241	33	207	**September**	698	42	67	160	57	253	119
941	241	33	207	**October**	700	42	67	160	57	253	120
941	241	33	207	**November**	700	43	67	161	57	254	119
944	242	34	207	**December**	702	43	67	161	57	255	119
				1990							
945	241	33	207	**January**	703	43	67	161	57	255	119

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	926.0	953.5	908.4	-27.5	17.6
Goods-Producing Industries[g]	235.8	242.9	233.8	-7.1	2.0
Construction	29.0	33.8	27.5	-4.8	1.5
Special Trade Contractors	20.1	23.6	18.5	-3.5	1.6
Manufacturing	205.9	208.2	205.4	-2.3	.5
Durable Goods[e]	140.4	142.6	141.7	-2.2	-1.3
Stone, Clay, and Glass Products	3.4	3.5	3.4	.0	.0
Primary Metal Industries	21.1	21.3	21.3	-.2	-.2
Iron and Steel Foundries	4.6	4.6	4.7	.0	-.2
Fabricated Metal Products	33.3	34.3	34.7	-1.0	-1.4
Screw Machine Products, Bolts, etc	5.1	5.1	5.2	.0	-.1
Metal Forgings and Stampings	10.1	11.0	11.4	-1.0	-1.4
Industrial Machinery and Equipment	33.6	33.7	33.3	-.1	.3
Metalworking Machinery	12.8	13.0	12.8	-.2	.0
Electronic and Other Electric Equipment	15.6	15.6	15.5	.0	.1
Electrical Industrial Apparatus	4.5	4.5	4.2	.0	.2
Electric Lighting and Wiring Equipment	5.4	5.3	5.2	.1	.1
Transportation Equipment	18.7	19.6	19.2	-.9	-.5
Motor Vehicles and Equipment	11.6	12.5	12.0	-.9	-.5
Instruments and Related Products	7.1	7.1	6.9	.0	.2
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.2
Nondurable Goods[f]	65.5	65.6	63.8	-.1	1.7
Food and Kindred Products	6.9	6.7	6.6	.2	.3
Apparel and Other Textile Products	3.3	3.3	3.4	.0	-.1
Paper and Allied Products	5.8	5.9	6.0	-.1	-.1
Printing and Publishing	16.9	17.1	16.1	-.2	.8
Chemicals and Allied Products	14.7	14.6	14.3	.0	.3
Rubber and Miscellaneous Plastics Products	12.1	12.1	11.8	.1	.3
Miscellaneous Plastics Products	7.6	7.7	7.1	-.1	.5
Service-Producing Industries	690.2	710.6	674.6	-20.4	15.6
Transportation and Public Utilities	41.8	43.7	40.6	-1.8	1.2
Transportation	24.4	26.2	23.2	-1.7	1.2
Trucking and Warehousing	11.2	12.3	11.0	-1.1	.2
Transportation by Air	5.4	5.3	4.8	.1	.5
Communications, Electric, Gas Services	17.4	17.5	17.4	-.1	.0
Communications	10.2	10.2	10.3	.0	-.1
Electric, Gas, and Sanitary Services	7.2	7.3	7.1	-.1	.1
Wholesale Trade	66.8	67.3	64.8	-.5	2.1
Wholesale Trade-Durable Goods	45.5	45.9	44.1	-.3	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.1	.0	-.1
Professional and Commercial Equipment	9.0	9.1	8.8	-.1	.2
Retail Trade	158.6	168.1	154.5	-9.5	4.1
General Merchandise Stores	21.5	23.5	20.3	-2.0	1.2
Finance, Insurance, and Real Estate	56.8	57.1	56.1	-.3	.7
Finance	27.9	27.9	27.6	.0	.3
Depository Institutions	20.6	20.6	20.6	.0	.1
Commercial Banks	13.0	13.0	12.6	.1	.5
Insurance	18.2	18.3	18.1	-.1	.1
Insurance Carriers	13.8	13.8	13.6	-.1	.2
Fire, Marine, and Casualty Insurance	6.3	6.3	6.3	.0	.0
Services	248.1	254.6	242.3	-6.5	5.8
Business Services	51.8	53.1	50.0	-1.2	1.8
Personnel Supply Services	19.6	20.6	19.5	-1.0	.2
Computer and Data Processing Services	6.6	6.6	5.9	.0	.7
Amusements, Including Motion Pictures	8.7	10.4	9.2	-1.8	-.5
Health Services	78.8	79.2	77.3	-.4	1.5
Nursing and Personal Care Facilities	13.3	13.5	12.9	-.1	.4
Hospitals	43.6	43.6	43.5	0	.1
Legal Services	9.5	9.5	9.1	.0	.4
Educational Services	17.5	18.3	17.8	-.8	-.3
Social Services	13.7	14.0	13.1	-.3	.6
Residential Care	3.6	3.7	3.4	-.1	.2
Engineering and Management Services	21.0	21.6	20.5	-.6	.5
Engineering and Architectural Services	7.6	7.9	7.2	-.3	.4
Accounting, Auditing, and Bookkeeping	6.4	6.4	6.6	.0	-.2
Management and Public Relations	4.4	4.6	4.2	-.2	.2
Government	118.1	119.9	116.4	-1.8	1.7
Federal government	20.6	20.9	20.7	-.3	-.1
State government	7.6	8.1	7.8	-.5	-.2
State government education[i]	2.7	3.2	2.9	-.5	-.2
Local government	89.8	90.9	87.9	-1.0	1.9
Local government education	46.2	47.3	45.2	-1.1	1.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

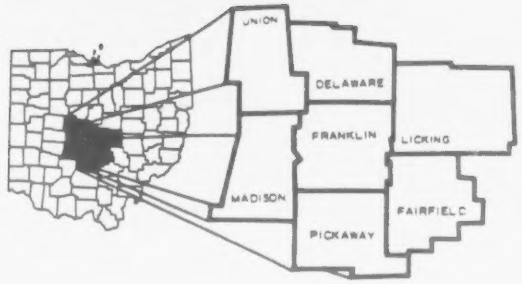
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$495.23	$511.70	$522.97	42.4	43.0	43.8	$11.68	$11.90	$11.94
Durable Goods[e]	518.81	542.82	556.07	42.7	43.6	44.7	12.15	12.45	12.44
Stone, Clay, and Glass Products	477.24	489.63	487.05	41.0	41.6	42.5	11.64	11.77	11.46
Primary Metal Industries	518.30	527.88	565.95	43.3	44.1	46.2	11.97	11.97	12.25
Iron and Steel Foundries	766.39	762.08	984.19	44.3	44.0	52.8	17.30	17.32	18.64
Fabricated Metal Products	524.67	527.30	545.81	42.9	42.8	43.7	12.23	12.32	12.49
Screw Machine Products, Bolts, etc.	515.81	501.30	587.94	43.2	42.7	47.3	11.94	11.74	12.43
Metal Forgings and Stampings	651.13	645.60	690.46	43.7	43.3	46.0	14.90	14.91	15.01
Industrial Machinery and Equipment	505.01	526.24	568.26	43.2	44.0	46.2	11.69	11.96	12.30
Metalworking Machinery	513.77	530.72	570.00	43.8	44.9	45.6	11.73	11.82	12.50
Electronic and Other Electric Equipment	424.91	419.99	426.96	40.7	40.5	41.9	10.44	10.37	10.19
Electrical Industrial Apparatus	439.95	431.60	435.44	42.1	41.5	42.9	10.45	10.40	10.15
Electric Lighting and Wiring Equipment	378.62	366.15	377.91	37.9	37.4	39.0	9.99	9.79	9.69
Transportation Equipment	663.92	758.62	750.20	42.1	45.7	46.8	15.77	16.60	16.03
Motor Vehicles and Equipment	721.76	843.59	841.27	41.6	46.3	48.1	17.35	18.22	17.49
Instruments and Related Products	460.46	449.77	369.08	42.4	41.8	39.9	10.86	10.76	9.25
Measuring and Controlling Devices	477.63	479.83	445.20	43.5	43.7	42.0	10.98	10.98	10.60
Nondurable Goods[f]	437.00	435.97	438.88	41.5	41.6	41.6	10.53	10.48	10.55
Food and Kindred Products	465.21	479.27	462.76	42.1	43.1	42.3	11.05	11.12	10.94
Apparel and Other Textile Products	375.71	376.27	376.94	39.3	39.4	40.1	9.56	9.55	9.40
Paper and Allied Products	506.47	516.64	513.97	44.9	45.2	43.3	11.28	11.43	11.87
Printing and Publishing	380.85	369.15	372.18	38.2	37.9	37.9	9.97	9.74	9.82
Chemicals and Allied Products	548.58	540.58	536.98	43.4	42.7	43.2	12.64	12.66	12.43
Rubber and Miscellaneous Plastics Products	374.11	381.74	390.53	41.8	42.7	43.2	8.95	8.94	9.04
Miscellaneous Plastics Products	385.53	390.92	394.19	42.6	43.1	42.8	9.05	9.07	9.21
Transportation and Public Utilities	......	......	......	....	....	....	......	......	......
Transportation	......	......	......	....	....	....	......	......	......
Trucking and Warehousing	464.75	469.91	430.25	33.8	34.3	31.8	13.75	13.70	13.53
Communications, Electric, Gas Services	618.82	610.78	596.26	40.9	40.8	40.7	15.13	14.97	14.65
Wholesale Trade	457.43	460.52	455.03	39.4	39.7	40.7	11.61	11.60	11.18
Retail Trade[h]	182.92	186.26	180.22	26.9	27.8	27.1	6.80	6.70	6.65
General Merchandise Stores	186.45	200.34	179.15	27.5	30.4	26.9	6.78	6.59	6.66
Finance, Insurance, and Real Estate	......	......	......	....	....	....	......	......	......
Finance	328.62	317.17	321.13	....	....	....	......	......	......
Depository Institutions	299.38	292.29	306.59	....	....	....	......	......	......
Commercial Banks	289.90	287.67	312.46	....	....	....	......	......	......
Services	......	......	......	....	....	....	......	......	......
Health Services	325.21	320.33	312.69	31.3	31.1	31.3	10.39	10.30	9.99
Nursing and Personal Care Facilities	228.00	224.29	210.59	32.9	32.6	32.2	6.93	6.88	6.54
Hospitals	358.42	353.30	343.18	30.4	30.3	31.6	11.79	11.66	10.86

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

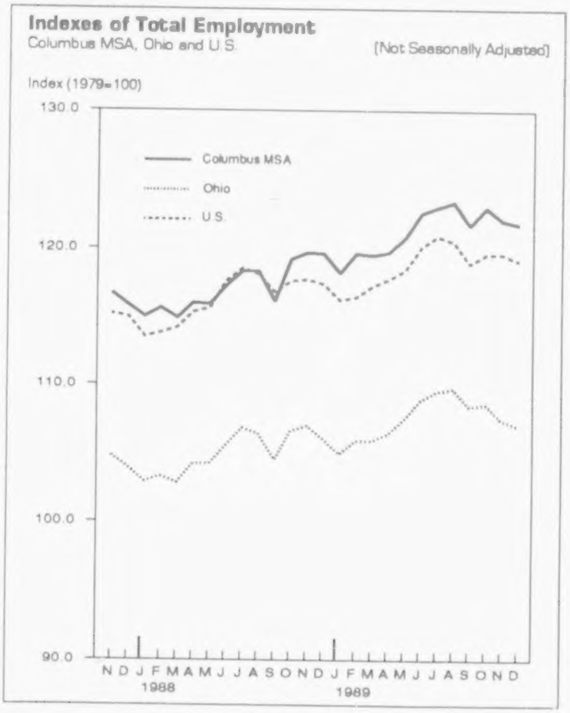
COLUMBUS
METROPOLITAN STATISTICAL AREA

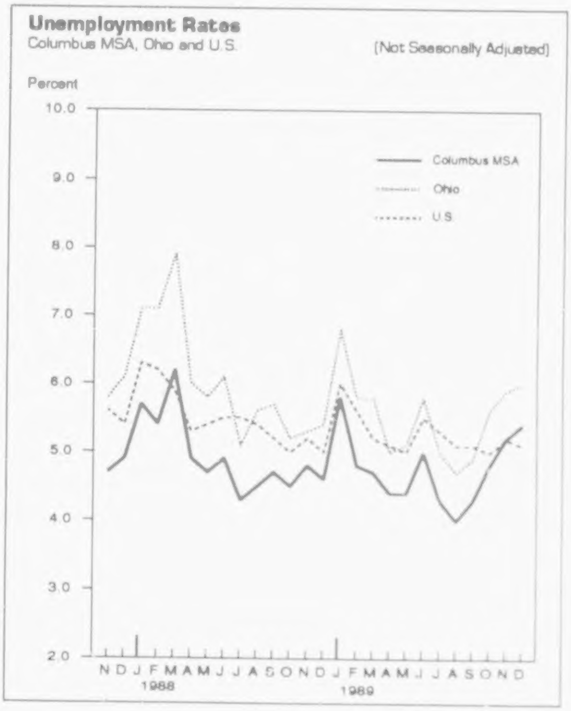


In the Columbus metropolitan area, total nonfarm payroll employment dropped 20,000 below the December 1989 level to 698,500 in January 1990. The release of temporary workers in retail trade and services helped lower service-producing industries 15,400. Employment in goods-producing industries declined 4,700 over the month to 130,700 due to seasonal reductions in construction and temporary shutdowns in durable-goods manufacturing, especially fabricated metal products. Factory production workers averaged $12.30 per hour, down fractionally from December. Their average workweek of 42.6 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 15,900 between January 1989 and January 1990. The improvement was concentrated in service-producing industries. Leading areas of expansion were retail trade (+6,400) and services (+5,400). Notable gains were also recorded in state government and finance, insurance, and real estate. The number of employees in goods-producing industries remained unchanged during the period. Scattered increases in nondurable-goods manufacturing offset declines in durable-goods manufacturing and construction.

Seasonally adjusted employment in the Columbus area increased 1,000 from December 1989 to 710,000 in January 1990 with scattered gains in service-producing industries. Since January 1989, total payroll employment rose 17,000. Most of the improvement occurred in retail trade and services. Employment in goods-producing industries was unchanged over the year.


Indexes of Total Employment
Columbus MSA, Ohio and U.S.
[Not Seasonally Adjusted]


Unemployment Rates
Columbus MSA, Ohio and U.S.
[Not Seasonally Adjusted]

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1979**	558.4	117.8	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	**1983**	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	**1984**	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	**1985**	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	**1986**	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	**1987**	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	**1988**	680.5	102.6	67.9	479.33	41.5	11.55
735.4	700.4	35.0	4.8	**1989**	701.7	104.8	69.5	500.82	41.7	12.01
				1988						
723.8	690.6	33.2	4.6	**December**	701.3	103.5	68.5	491.91	41.9	11.74
				1989						
724.3	682.6	41.7	5.8	**January**	682.7	103.5	68.3	485.55	41.5	11.70
725.3	690.5	34.8	4.8	**February**	687.1	103.8	68.2	490.95	41.5	11.83
724.7	690.3	34.4	4.7	**March**	692.8	104.0	68.5	493.79	41.6	11.87
722.6	691.0	31.6	4.4	**April**	695.7	103.7	68.3	492.25	41.4	11.89
729.9	697.7	32.2	4.4	**May**	701.6	104.4	68.9	493.90	41.4	11.93
745.7	708.2	37.6	5.0	**June**	706.7	105.0	69.3	493.54	41.3	11.95
742.4	710.4	32.0	4.3	**July**	699.0	105.1	69.4	496.84	41.3	12.03
742.2	712.8	29.4	4.0	**August**	700.7	105.2	69.8	496.39	41.4	11.99
734.2	702.7	31.5	4.3	**September**	706.2	106.1	70.7	504.15	41.7	12.09
746.2	710.5	35.7	4.8	**October**	712.9	105.5	70.5	512.02	41.9	12.22
744.2	705.4	38.8	5.2	**November**	716.6	105.9	71.2	519.82	42.4	12.26
743.6	703.3	40.3	5.4	**December**	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
INA	INA	INA	INA	**January**	698.5	103.8	69.1	523.98	42.6	12.30

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	**1979**	416	27	29	101	38	109	112
560	135	21	113	**1980**	425	27	29	101	40	113	115
557	130	19	109	**1981**	427	26	29	101	42	116	113
544	118	16	101	**1982**	426	25	28	100	44	117	111
548	117	17	99	**1983**	432	25	29	103	45	120	110
576	125	19	105	**1984**	451	26	31	110	47	127	110
604	129	22	106	**1985**	475	26	32	119	49	136	112
631	131	24	106	**1986**	500	27	32	125	54	146	116
658	132	27	104	**1987**	526	28	34	133	57	154	119
680	133	29	103	**1988**	548	30	36	138	59	162	123
702	135	29	105	**1989**	567	31	37	143	60	171	125
				1989							
693	135	30	104	**January**	559	30	37	140	59	167	124
697	135	30	105	**February**	562	31	37	142	60	169	124
701	136	31	105	**March**	565	31	37	143	60	169	124
697	135	29	104	**April**	563	31	37	142	59	169	124
699	135	29	105	**May**	564	31	37	143	60	170	125
700	135	29	105	**June**	565	31	37	143	60	170	124
703	135	29	105	**July**	568	31	37	144	60	171	126
704	135	29	105	**August**	569	31	37	144	60	172	125
704	135	29	105	**September**	569	31	37	144	60	173	124
705	135	29	105	**October**	570	31	37	145	60	173	125
707	135	29	105	**November**	572	31	37	145	60	174	125
709	135	29	105	**December**	574	31	37	146	60	174	126
				1990							
710	135	30	104	**January**	575	31	37	147	61	173	126

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	698.5	718.6	682.7	-20.0	15.9
Goods-Producing Industries[g]	130.7	135.4	130.7	-4.7	.0
Construction	26.1	29.3	26.4	-3.2	-.4
Manufacturing	103.8	105.2	103.5	-1.4	.3
Durable Goods[e]	64.6	66.0	65.1	-1.4	-.6
Stone, Clay, and Glass Products	9.8	9.8	9.7	-.1	.0
Glass and Glassware, Pressed or Blown	3.5	3.5	3.4	.0	.1
Fabricated Metal Products	9.0	10.0	9.8	-1.1	-.8
Industrial Machinery and Equipment	9.5	9.5	9.9	.0	-.4
Electronic and Other Electric Equipment	9.0	9.2	9.3	-.2	-.3
Transportation Equipment	14.0	14.0	13.1	.1	.9
Motor Vehicles and Equipment	13.4	13.3	12.2	.1	1.2
Instruments and Related Products	4.8	4.8	4.6	.0	.2
Nondurable Goods[f]	39.2	39.2	38.3	.0	.9
Food and Kindred Products	10.7	10.7	10.4	-.1	.3
Dairy Products	4.0	4.0	3.8	.0	.1
Printing and Publishing	11.0	11.0	10.7	.0	.3
Chemicals and Allied Products	6.9	6.8	6.8	.1	.1
Rubber and Miscellaneous Plastics Products	6.4	6.3	5.9	.1	.5
Service-Producing Industries	567.8	583.2	552.0	-15.4	15.8
Transportation and Public Utilities	30.6	31.5	30.0	-.8	.6
Transportation	18.4	19.2	17.8	-.8	.6
Trucking and Warehousing	12.9	13.7	12.1	-.8	.8
Communications, Electric, Gas Services	12.3	12.3	12.2	.0	.1
Communications	7.7	7.7	7.6	.0	.1
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.0	37.5	36.3	-.5	.7
Wholesale Trade-Durable Goods	24.0	24.2	23.4	-.2	.6
Motor Vehicles, Parts, and Supplies	3.0	3.1	3.2	-.1	-.2
Machinery, Equipment, and Supplies	5.5	5.4	5.1	.0	.4
Wholesale Trade-Nondurable Goods	13.0	13.3	12.8	-.3	.1
Retail Trade	144.4	151.4	138.0	-7.0	6.4
General Merchandise Stores	21.4	23.7	19.8	-2.4	1.5
Food Stores	16.9	17.3	16.0	-.3	.9
Automotive Dealers and Service Stations	14.3	14.3	13.7	.0	.5
Finance, Insurance, and Real Estate	60.0	60.0	58.8	.0	1.2
Finance	23.7	23.8	23.1	.0	.6
Depository Institutions	14.3	14.3	14.1	.0	.2
Commercial Banks	12.0	12.0	11.4	.0	.5
Insurance	27.7	27.5	27.4	.1	.3
Insurance Carriers	23.8	23.6	23.4	.2	.4
Services	168.9	173.5	163.5	-4.6	5.4
Business Services	35.8	37.6	33.5	-1.8	2.3
Personnel Supply Services	12.4	13.7	10.9	-1.3	1.5
Health Services	45.0	45.4	43.2	-.3	1.9
Nursing and Personal Care Facilities	8.0	8.2	7.8	-.2	.2
Hospitals	21.0	21.0	20.1	.0	.9
Legal Services	4.4	4.5	4.3	-.1	.1
Educational Services	7.4	7.9	7.9	-.5	-.5
Social Services	12.5	13.0	11.9	-.5	.6
Engineering and Management Services	17.6	17.8	17.7	-.2	-.2
Engineering and Architectural Services	4.4	4.5	4.3	-.1	.1
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.2	.0	-.1
Research and Testing Services	6.0	6.1	6.2	-.1	-.2
Government	126.9	129.3	125.4	-2.4	1.5
Federal Government	16.1	16.2	15.8	-.1	.3
State Government	55.7	57.3	54.6	-1.6	1.0
State Government Education[i]	23.3	24.8	23.2	-1.5	.2
Local Government	55.1	55.8	55.0	-.7	.1
Local Government Education	33.3	33.9	33.4	-.6	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

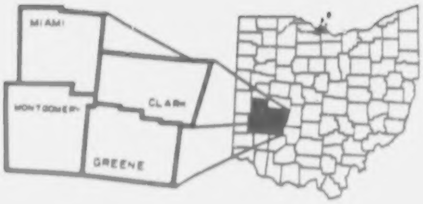
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$523.98	$525.64	$485.55	42.6	42.7	41.5	$12.30	$12.31	$11.70
Durable Goods[e]	540.99	540.56	496.76	42.8	42.8	41.5	12.64	12.63	11.97
Stone, Clay, and Glass Products	497.54	484.57	472.58	41.6	41.1	40.6	11.96	11.79	11.64
Glass and Glassware, Pressed or Blown	454.44	452.65	427.79	41.2	41.3	39.5	11.03	10.96	10.83
Fabricated Metal Products	498.49	526.26	512.11	41.3	41.9	41.1	12.07	12.56	12.46
Industrial Machinery and Equipment	500.76	505.98	475.86	41.8	42.2	41.2	11.98	11.99	11.55
Electronic and Other Electric Equipment	503.64	530.43	461.90	41.9	43.3	40.2	12.02	12.25	11.49
Transportation Equipment	706.58	673.40	593.74	47.2	45.5	42.9	14.97	14.80	13.84
Motor Vehicles and Equipment	708.55	675.34	600.17	47.3	45.6	42.9	14.98	14.81	13.99
Instruments and Related Products	392.06	403.35	422.41	38.4	39.7	39.7	10.21	10.16	10.64
Nondurable Goods[f]	492.05	495.23	463.97	42.2	42.4	41.5	11.66	11.68	11.18
Food and Kindred Products	422.50	442.80	408.00	41.3	42.7	40.8	10.23	10.37	10.00
Dairy Products	648.77	662.13	532.56	45.4	46.4	42.2	14.29	14.27	12.62
Printing and Publishing	566.30	578.93	531.11	40.8	41.8	39.4	13.88	13.85	13.48
Chemicals and Allied Products	662.20	677.40	598.40	44.0	45.1	44.0	15.05	15.02	13.60
Rubber and Miscellaneous Plastics Products	408.76	377.24	379.18	44.0	41.5	42.7	9.29	9.09	8.88
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......
Transportation	......	......	......	......	......	......	......	......	......
Trucking and Warehousing	450.84	451.44	359.12	34.0	34.2	28.1	13.26	13.20	12.78
Communications, Electric, Gas Services	660.50	663.71	565.81	43.8	44.1	40.3	15.08	15.05	14.04
Communications	578.29	583.95	552.62	39.8	40.3	39.7	14.53	14.49	13.92
Electric, Gas, and Sanitary Services	804.16	801.57	588.11	50.8	50.7	41.3	15.83	15.81	14.24
Wholesale Trade	399.51	398.59	357.77	38.6	38.4	37.7	10.35	10.38	9.49
Retail Trade[h]	182.54	190.94	179.92	27.7	28.8	28.2	6.59	6.63	6.38
General Merchandise Stores	199.37	212.75	192.66	28.4	30.7	28.5	7.02	6.93	6.76
Food Stores	189.92	193.60	180.78	26.6	27.5	26.2	7.14	7.04	6.90
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......
Finance	444.41	435.91	407.90	......	......	......	......	......	......
Depository Institutions	286.63	284.10	269.79	......	......	......	......	......	......
Commercial Banks	284.87	283.96	269.66	......	......	......	......	......	......
Services	......	......	......	......	......	......	......	......	......
Health Services	......	......	......	......	......	......	......	......	......
Nursing and Personal Care Facilities	230.95	225.66	209.29	32.3	32.1	32.1	7.15	7.03	6.52
Hospitals	397.66	397.66	360.74	34.4	34.4	34.0	11.56	11.56	10.61
Engineering and Management Services	......	......	......	......	......	......	......	......	......
Engineering and Architectural Services	489.85	486.86	452.02	39.6	39.2	38.8	12.37	12.42	11.65

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

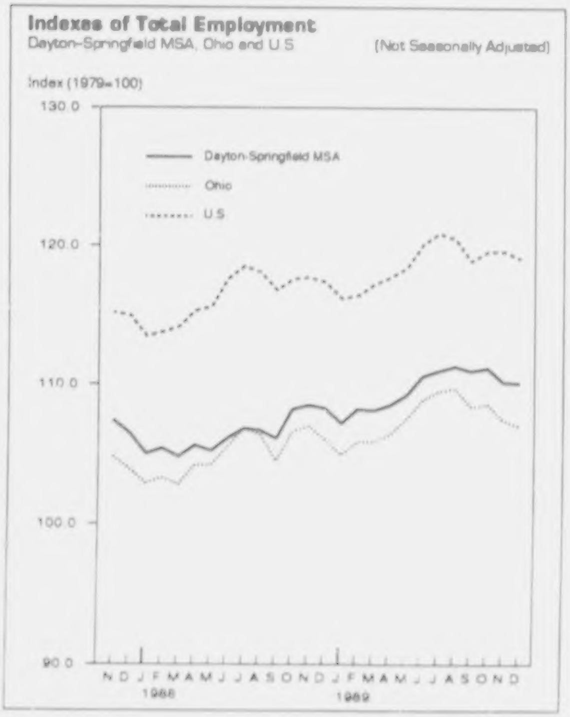
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

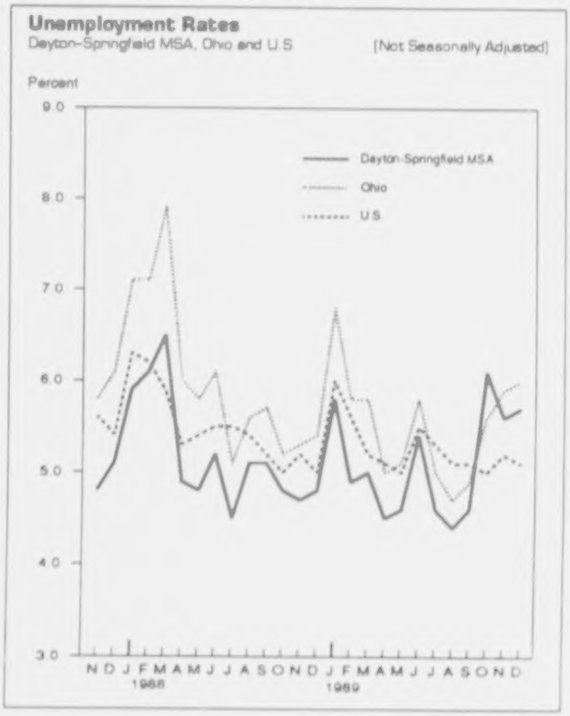


Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 445,500 in January 1990, down 12,800 from the December 1989 level. The cyclical downturn in retail trade and services lowered service-producing industries 9,200. Employment in goods-producing industries declined 3,500 to 119,000 due to a seasonal decrease in construction and temporary shutdowns in manufacturing, especially transportation equipment and rubber and miscellaneous plastics products. Factory production workers averaged $12.92 per hour, down $.18 from December. Their average workweek was .9 hours shorter at 41.2 hours.

Nonagricultural wage and salary employment advanced 4,400 between January 1989 and January 1990. The improvement was concentrated in service-producing industries. Noteworthy gains occurred in local and federal government, services, retail trade, and transportation and public utilities. A decrease in the manufacturing workforce contributed most to the loss of 3,100 jobs in goods-producing industries. Significant reductions were recorded in rubber and miscellaneous plastics products, industrial machinery and equipment, and electronic and other electric equipment.

Seasonally adjusted employment in the Dayton-Springfield area decreased 2,000 from December 1989 to 451,000 in January 1990 due to a decline in service-producing industries. Since January 1989, total payroll employment increased 4,000. Scattered gains in service-producing industries, especially in services and government, more than offset a decline in goods-producing industries.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers	Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1979**	408.7	122.5	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	**1983**	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	**1984**	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	**1985**	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	**1986**	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	**1987**	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	**1988**	437.7	105.0	67.5	548.14	43.4	12.63
483.4	458.7	24.7	5.1	**1989**	448.9	104.5	67.2	555.56	42.9	12.95
				1988						
475.2	452.5	22.7	4.8	**December**	449.0	106.1	68.7	576.76	44.4	12.99
				1989						
475.4	447.9	27.5	5.8	**January**	441.2	105.6	68.2	579.47	44.1	13.14
475.7	452.3	23.4	4.9	**February**	443.0	105.4	68.0	568.54	43.7	13.01
475.7	451.9	23.8	5.0	**March**	446.3	105.6	68.1	565.07	43.3	13.05
475.2	453.7	21.5	4.5	**April**	446.8	104.7	67.5	556.85	43.1	12.92
478.6	456.4	22.2	4.6	**May**	448.3	104.8	67.4	555.56	43.0	12.92
489.0	462.5	26.5	5.4	**June**	449.6	105.6	67.9	555.56	43.1	12.89
486.7	464.1	22.6	4.6	**July**	444.9	104.5	66.3	539.33	42.3	12.75
486.5	465.3	21.2	4.4	**August**	445.4	104.7	66.7	531.70	41.8	12.72
486.2	464.1	22.1	4.6	**September**	454.0	105.0	67.4	555.54	42.8	12.98
495.2	464.9	30.3	6.1	**October**	453.3	101.7	65.1	552.12	42.8	12.90
488.2	460.8	27.3	5.6	**November**	455.2	102.3	65.8	555.53	42.7	13.01
487.9	460.2	27.7	5.7	**December**	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
INA	INA	INA	INA	**January**	445.5	102.8	66.3	532.30	41.2	12.92

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	**1979**	270	16	17	68	16	80	74
397	126	15	111	**1980**	271	16	17	66	16	82	75
393	123	13	110	**1981**	270	15	18	64	16	84	74
374	108	10	97	**1982**	266	14	18	62	16	85	72
372	106	11	96	**1983**	266	14	18	63	16	85	71
393	116	12	104	**1984**	277	15	19	67	16	89	71
409	120	13	106	**1985**	289	14	19	71	17	95	72
419	121	15	106	**1986**	298	15	19	75	17	100	73
430	121	16	104	**1987**	309	16	19	78	18	104	74
438	123	17	105	**1988**	315	17	20	79	18	108	73
449	123	18	105	**1989**	326	17	21	80	18	114	76
				1989							
447	125	18	106	**January**	322	17	20	79	18	113	75
450	126	19	106	**February**	324	17	21	80	18	114	75
451	126	19	106	**March**	326	17	21	80	18	115	74
447	123	18	105	**April**	324	17	21	79	18	113	76
447	123	18	105	**May**	324	17	21	79	18	114	76
447	123	17	105	**June**	325	17	21	80	18	114	76
448	122	17	104	**July**	326	17	21	80	18	114	76
449	122	17	105	**August**	326	18	21	80	18	114	76
450	122	17	104	**September**	328	18	21	80	18	115	76
448	119	17	101	**October**	329	18	21	80	18	115	77
449	120	18	102	**November**	329	18	21	80	18	116	77
453	122	18	104	**December**	331	18	21	80	18	116	77
				1990							
451	122	18	104	**January**	329	18	21	80	18	115	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			**Change**[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	445.5	458.3	441.2	-12.8	4.4
Goods-Producing Industries[g]	119.0	122.5	122.0	-3.5	-3.1
Construction	15.8	17.7	16.1	-2.0	-.3
Manufacturing	102.8	104.3	105.6	-1.5	-2.8
Durable Goods[e]	74.1	74.8	76.0	-.7	-1.9
Fabricated Metal Products	8.5	8.5	8.5	.0	-.1
Industrial Machinery and Equipment	31.4	31.5	32.3	.0	-.9
Metalworking Machinery	8.4	8.4	8.3	.0	.1
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.8	4.6	.0	-.7
Transportation Equipment	21.5	22.3	21.6	-.8	-.1
Motor Vehicles and Equipment	18.3	19.1	18.4	-.8	-.1
Nondurable Goods[f]	28.7	29.5	29.6	-.8	-.9
Food and Kindred Products	2.7	2.8	2.7	-.1	.0
Paper and Allied Products	6.0	5.9	6.0	.1	.0
Printing and Publishing	9.2	9.2	8.9	.0	.4
Rubber and Miscellaneous Plastics Products	6.9	7.8	8.5	-.8	-1.5
Service-Producing Industries	326.6	335.8	319.1	-9.2	7.4
Transportation and Public Utilities	17.8	18.0	16.8	-.2	1.0
Transportation	11.4	11.7	10.8	-.3	.7
Trucking and Warehousing	6.3	6.6	5.7	-.3	.6
Communications, Electric, Gas Services	6.3	6.3	6.1	.0	.3
Communications	3.5	3.5	3.4	.0	.1
Wholesale Trade	21.0	21.4	20.1	-.4	.8
Wholesale Trade-Durable Goods	14.7	14.9	14.1	-.3	.6
Wholesale Trade-Nondurable Goods	6.3	6.4	6.0	-.2	.3
Retail Trade	79.0	83.5	78.0	-4.4	1.1
General Merchandise Stores	11.7	13.0	11.7	-1.3	.0
Finance, Insurance, and Real Estate	17.5	17.7	17.6	-.2	-.1
Finance	9.6	9.6	9.8	.0	-.2
Depository Institutions	7.4	7.3	7.5	.0	-.1
Insurance	4.4	4.4	4.3	-.1	.0
Services	113.4	116.3	111.3	-2.9	2.1
Business Services	21.5	22.6	20.5	-1.1	1.0
Personnel Supply Services	5.5	6.5	5.6	-1.0	.0
Computer and Data Processing Services	5.2	5.1	4.6	.1	.6
Health Services	38.8	39.2	37.2	-.4	1.6
Nursing and Personal Care Facilities	7.0	7.2	7.0	-.2	.0
Hospitals	20.0	20.0	19.1	.0	.9
Educational Services	8.7	9.0	10.1	-.3	-1.4
Social Services	5.7	6.0	5.7	-.3	.0
Engineering and Management Services	9.6	9.9	9.9	-.2	-.2
Research and Testing Services	3.2	3.3	3.2	-.1	.0
Government	77.9	78.9	75.4	-1.0	2.5
Federal Government	29.0	29.3	27.8	-.3	1.1
State Government	7.3	7.4	7.2	-.2	.1
State Government Education[i]	4.4	4.6	4.4	-.2	.0
Local Government	41.6	42.2	40.3	-.6	1.3
Local Government Education	26.5	27.1	25.7	-.5	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

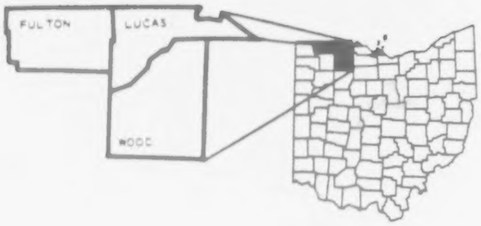
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$532.30	$551.51	$579.47	41.2	42.1	44.1	$12.92	$13.10	$13.14
Durable Goods[e]	553.70	571.20	593.18	41.6	42.5	44.4	13.31	13.44	13.36
Fabricated Metal Products	407.79	403.65	400.15	41.4	41.4	41.9	9.85	9.75	9.55
Industrial Machinery and Equipment	590.01	604.88	646.35	42.6	43.8	46.4	13.85	13.81	13.93
Metalworking Machinery	602.04	620.10	622.49	45.3	46.8	47.7	13.29	13.25	13.05
General Industrial Machinery	511.31	569.05	505.61	44.5	47.5	43.7	11.49	11.98	11.57
Electronic and Other Electric Equipment	352.29	357.79	375.23	41.3	41.7	41.6	8.53	8.58	9.02
Transportation Equipment	669.89	695.88	737.55	41.3	42.2	45.0	16.22	16.49	16.39
Motor Vehicles and Equipment	674.45	693.06	751.37	41.0	41.6	45.1	16.45	16.66	16.66
Nondurable Goods[f]	468.37	495.69	540.38	40.1	41.0	43.3	11.68	12.09	12.48
Food and Kindred Products	346.33	379.95	378.22	39.9	42.5	41.7	8.68	8.94	9.07
Paper and Allied Products	492.31	489.63	503.69	43.8	43.6	45.5	11.24	11.23	11.07
Printing and Publishing	446.22	472.42	455.00	38.6	39.9	39.6	11.56	11.84	11.49
Rubber and Miscellaneous Plastics Products	556.99	606.43	746.24	36.5	38.7	44.9	15.26	15.67	16.62
Transportation and Public Utilities	......	......	......	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	556.19	568.51	543.10	40.1	40.9	39.7	13.87	13.90	13.68
Communications	554.19	563.81	549.53	39.5	40.1	40.2	14.03	14.06	13.67
Wholesale Trade	390.65	392.24	405.62	39.7	39.5	40.2	9.84	9.93	10.09
Retail Trade[h]	165.83	173.09	160.16	27.5	28.8	28.0	6.03	6.01	5.72
General Merchandise Stores	174.08	195.25	169.86	27.2	30.7	27.8	6.40	6.36	6.11
Finance, Insurance, and Real Estate	......	......	......	.....	.....	.....	.....	.....	.....
Finance	......	......	......	.....	.....	.....	.....	.....	.....
Depository Institutions	267.56	281.64	256.13	.....	.....	.....	.....	.....	.....
Services	......	......	......	.....	.....	.....	.....	.....	.....
Health Services	......	......	......	.....	.....	.....	.....	.....	.....
Hospitals	409.60	407.97	360.49	34.8	35.2	34.3	11.77	11.59	10.51

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

TOLEDO
METROPOLITAN STATISTICAL AREA

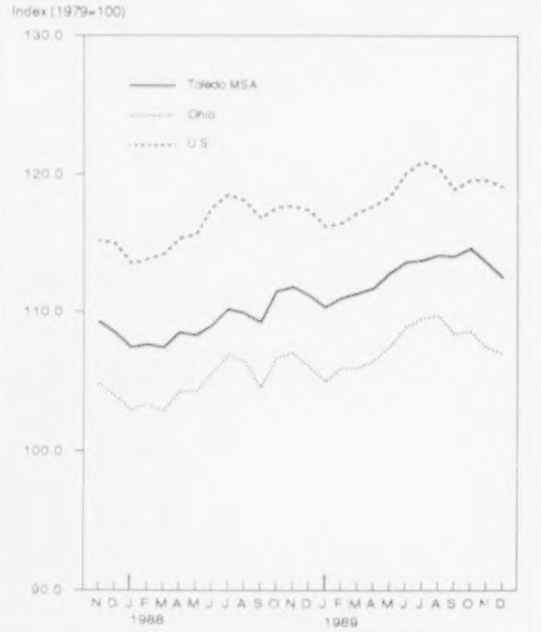


In the Toledo metropolitan area, total nonfarm payroll employment dropped 18,300 below the December 1989 level to 282,500 in January 1990. Temporary shutdowns in manufacturing, especially transportation equipment (-8,400), and a cyclical downturn in construction reduced employment in goods-producing industries 10,700 to 62,300. Service-producing industries lost 7,500 jobs over the month due to seasonal decreases in retail trade and services and less business in transportation and public utilities. Manufacturing production workers averaged $12.46 per hour, down $.68 from December. Their average workweek of 42.3 hours was .7 hours shorter.

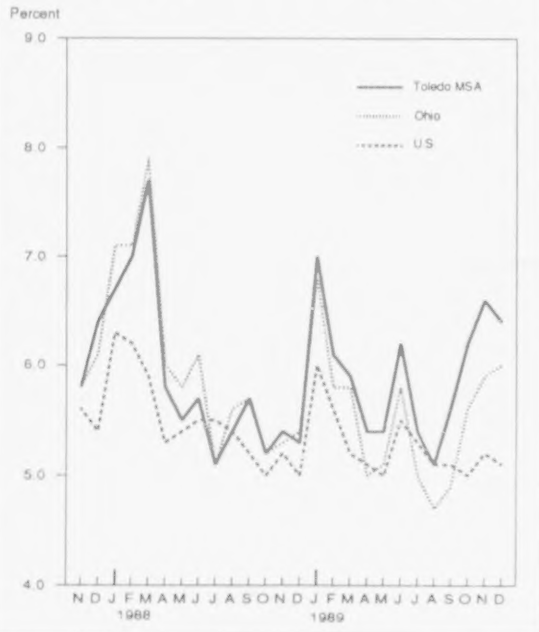
Nonagricultural wage and salary employment declined 5,600 between January 1989 and January 1990. The number of employees in goods-producing industries dropped 10,600. Significant cutbacks in durable-goods manufacturing due to current temporary shutdowns in transportation equipment and a reduction in fabricated metal products overshadowed nominal growth in construction. Employment in service-producing industries advanced 5,000 during the period. Noteworthy improvements occurred in services and retail trade.

Seasonally adjusted employment in the Toledo area decreased 9,000 from December 1989 to 287,000 in January 1990. Temporary shutdowns lowered the manufacturing workforce 8,000. Employment in service-producing industries was unchanged over the month. Since January 1989, total nonfarm employment declined 6,000. A significant reduction in manufacturing (-11,000) negated modest growth in services, transportation and public utilities, and retail trade.

Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)



Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
320.3	301.3	19.0	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1988						
313.6	297.0	16.6	5.3	December	295.7	63.6	45.5	586.53	44.1	13.30
				1989						
317.1	294.8	22.3	7.0	January	288.1	62.6	44.8	570.67	43.2	13.21
315.9	296.5	19.4	6.1	February	287.7	62.4	44.7	596.30	44.5	13.40
316.0	297.3	18.7	5.9	March	290.7	62.7	44.8	596.30	44.5	13.40
315.3	298.4	16.9	5.4	April	293.0	62.6	44.7	563.73	43.0	13.11
318.7	301.5	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
323.3	303.5	19.9	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
321.1	303.7	17.4	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
321.3	304.8	16.5	5.1	August	290.1	61.6	44.0	575.92	43.4	13.27
322.5	304.5	18.0	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
326.3	306.1	20.2	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
324.9	303.6	21.3	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
321.5	300.7	20.7	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
INA	INA	INA	INA	January	282.5	51.4	34.5	527.06	42.3	12.46

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	45	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	75	12	63	January	218	14	16	58	12	74	44
293	75	12	63	February	218	14	16	58	12	75	43
294	75	12	63	March	219	14	16	58	12	75	43
293	75	12	63	April	218	14	16	58	12	75	43
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
287	64	12	52	January	223	15	16	59	12	77	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			**Change**[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	282.5	300.7	288.1	-18.3	-5.6
Goods-Producing Industries[g]	62.3	73.0	72.9	-10.7	-10.6
Construction	10.7	12.3	10.1	-1.7	.5
Manufacturing	51.4	60.4	62.6	-9.0	-11.2
Durable Goods[e]	35.9	44.7	46.9	-8.8	-11.0
Stone, Clay, and Glass Products	7.9	7.9	8.1	.0	-.2
Primary Metal Industries	3.6	3.3	3.7	.3	-.1
Fabricated Metal Products	6.2	6.9	7.2	-.6	-1.0
Metal Forgings and Stampings	2.1	2.6	3.0	-.5	-.9
Industrial Machinery and Equipment	5.8	5.7	6.2	.0	-.4
Transportation Equipment	5.8	14.2	15.3	-8.4	-9.5
Nondurable Goods[f]	15.5	15.8	15.7	-.3	-.2
Food and Kindred Products	3.9	3.9	4.0	.1	-.1
Rubber and Miscellaneous Plastics Products	4.1	4.2	4.3	-.1	-.1
Service-Producing Industries	220.2	227.7	215.2	-7.5	5.0
Transportation and Public Utilities	14.2	15.2	13.6	-1.0	.6
Transportation	9.3	10.2	8.8	-1.0	.4
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.2
Wholesale Trade	15.8	15.9	15.3	-.2	.4
Wholesale Trade-Durable Goods	10.5	10.5	10.3	-.1	.2
Wholesale Trade-Nondurable Goods	5.3	5.4	5.1	-.1	.2
Retail Trade	58.6	61.9	57.1	-3.3	1.5
General Merchandise Stores	8.6	9.5	8.6	-1.0	-.1
Finance, Insurance, and Real Estate	12.0	12.0	11.9	-.1	.0
Finance	6.4	6.3	6.3	.0	.1
Insurance	3.7	3.7	3.7	.0	-.1
Services	75.0	77.1	72.9	-2.1	2.1
Business Services	13.1	13.7	12.6	-.6	.4
Personnel Supply Services	4.8	5.3	4.4	-.5	.5
Health Services	27.6	27.7	27.1	-.2	.5
Nursing and Personal Care Facilities	4.2	4.2	4.2	.0	.0
Hospitals	15.1	15.1	14.9	.0	.2
Engineering and Management Services	5.9	6.2	5.8	-.2	.2
Government	44.6	45.6	44.3	-.9	.3
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.1	17.6	16.5	-.5	.6
State Government Education[i]	12.9	13.3	12.4	-.4	.5
Local Government	24.9	25.3	25.2	-.5	-.3
Local Government Education	14.6	15.0	14.8	-.4	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

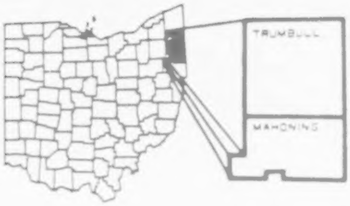
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$527.06	$565.02	$570.67	42.3	43.0	43.2	$12.46	$13.14	$13.21
Durable Goods[e]	519.51	577.15	589.43	42.1	43.2	43.5	12.34	13.36	13.55
Stone, Clay, and Glass Products	506.99	501.23	431.07	41.9	41.7	38.8	12.10	12.02	11.11
Primary Metal Industries	492.48	548.02	529.42	43.2	46.6	46.4	11.40	11.76	11.41
Fabricated Metal Products	455.31	512.20	550.90	40.4	44.5	46.1	11.27	11.51	11.95
Metal Forgings and Stampings	621.57	654.27	694.93	41.3	41.7	45.9	15.05	15.69	15.14
Industrial Machinery and Equipment	493.54	496.17	535.26	42.4	42.7	44.2	11.64	11.62	12.11
Transportation Equipment	759.80	714.33	743.29	44.2	42.8	43.8	17.19	16.69	16.97
Nondurable Goods[f]	546.12	531.22	510.85	42.9	42.6	42.5	12.73	12.47	12.02
Food and Kindred Products	712.47	645.24	555.55	48.5	45.6	43.2	14.69	14.15	12.86
Rubber and Miscellaneous Plastics Products	355.69	358.97	358.09	40.1	40.7	40.6	8.87	8.82	8.82
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	609.26	616.10	584.23	41.0	41.6	40.6	14.86	14.81	14.39
Wholesale Trade	412.73	415.11	383.96	39.8	39.8	39.1	10.37	10.43	9.82
Retail Trade[h]	161.39	173.76	155.31	26.5	28.3	27.2	6.09	6.14	5.71
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	376.97	360.26	339.76	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

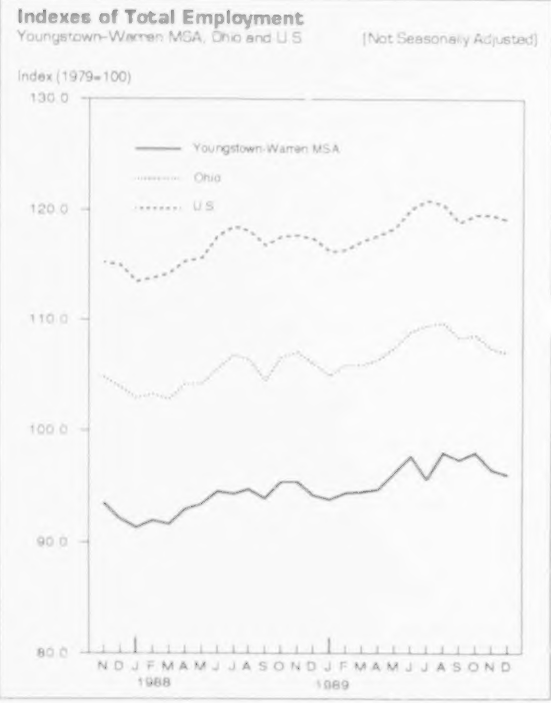
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

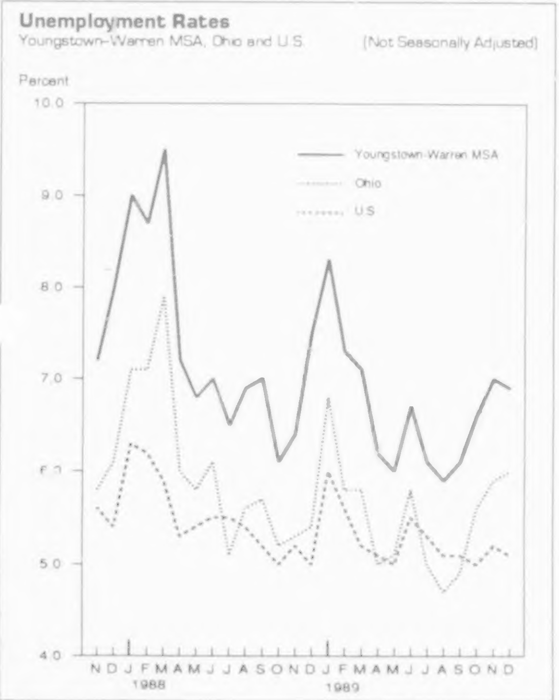


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 189,000 in January 1990, down 13,100 from the December 1989 level. Temporary shutdowns in manufacturing, especially transportation equipment, fabricated metal products, and primary metal industries, and less business in construction reduced goods-producing industries 9,100 to 48,600. Employment in service-producing industries declined 4,000 over the month due to seasonal decreases in retail trade and services. Manufacturing production workers averaged $13.70 per hour, down $.44 from December. Their average workweek of 41.5 hours was .7 hours shorter.

Nonfarm wage and salary employment declined 4,700 between January 1989 and January 1990. Goods-producing industries lost 9,300 jobs due to current production cutbacks in durable-goods manufacturing, especially transportation equipment (-5,200), primary metal industries (-2,300), and fabricated metal products (-1,500). Employment in service-producing industries advanced 4,600 during the period with moderate growth in retail trade, services, and wholesale trade.

Seasonally adjusted employment in the Youngstown-Warren area dropped 7,000 below the December 1989 level to 193,000 in January 1990. A temporary slowdown in manufacturing lowered goods-producing industries 8,000. Marginal improvement in retail trade increased service-producing industries 1,000. Since January 1989, total payroll employment declined 5,000. The loss of 9,000 manufacturing jobs overshadowed scattered gains in service-producing industries.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)

Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.8	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
226.3	211.2	15.1	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
224.0	207.1	16.9	7.5	1988 December	197.7	50.3	38.2	593.57	43.2	13.74
				1989						
224.9	206.2	18.7	8.3	January	193.7	51.0	38.9	601.44	43.3	13.89
223.9	207.5	16.3	7.3	February	193.8	51.0	38.9	580.88	42.4	13.70
223.7	207.8	15.9	7.1	March	195.6	50.8	38.7	595.55	43.0	13.85
222.1	208.3	13.8	6.2	April	197.0	50.7	38.7	589.48	42.5	13.87
225.1	211.5	13.6	6.0	May	199.2	50.7	38.6	603.60	43.3	13.94
230.2	214.9	15.3	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
223.8	210.2	13.6	6.1	July	193.6	45.7	33.4	581.28	42.0	13.84
228.8	215.4	13.4	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
228.1	214.2	13.9	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
230.6	215.4	15.1	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
228.1	212.1	16.0	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
226.7	211.1	15.6	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
INA	INA	INA	INA	1990 January	189.0	41.7	29.5	568.55	41.5	13.70

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	60	8	51	January	138	8	11	41	9	46	24
198	60	8	51	February	138	8	11	41	9	46	24
198	59	8	51	March	139	8	11	42	9	46	24
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
193	50	8	42	1990 January	143	8	12	43	9	47	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	189.0	202.1	193.6	-13.1	-4.7
Goods-Producing Industries[g]	48.6	57.7	57.9	-9.1	-9.3
Construction	6.4	7.7	6.5	-1.2	.0
Manufacturing	41.7	49.6	51.0	-7.9	-9.3
Durable Goods[e]	36.7	44.5	46.0	-7.8	-9.3
Primary Metal Industries	16.9	18.1	19.1	-1.2	-2.3
Blast Furnace and Basic Steel Products	5.9	5.9	5.8	0	.1
Fabricated Metal Products	6.0	7.5	7.5	-1.5	-1.5
Metal Forgings and Stampings	2.5	4.0	4.0	-1.5	-1.5
Industrial Machinery and Equipment	4.3	4.3	4.2	.0	.1
Transportation Equipment	4.4	9.4	9.7	-5.0	-5.2
Nondurable Goods[f]	5.0	5.2	5.0	-.1	.1
Service-Producing Industries	140.3	144.4	135.7	-4.0	4.6
Transportation and Public Utilities	7.6	8.0	7.5	-.4	.0
Wholesale Trade	11.4	11.6	10.5	-.2	9
Wholesale Trade-Durable Goods	7.1	7.2	6.8	-.1	.3
Wholesale Trade-Nondurable Goods	4.3	4.5	3.8	-.1	6
Retail Trade	41.9	43.5	40.1	-1.7	1.7
General Merchandise Stores	5.4	5.9	5.4	-.4	.1
Finance, Insurance, and Real Estate	8.7	8.7	8.4	.0	.3
Finance	4.8	4.7	4.6	.0	.1
Services	46.0	46.9	44.6	-.9	1.4
Health Services	21.2	21.3	20.6	-.1	.6
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.2
Hospitals	10.8	10.8	10.6	.0	.2
Government	24.7	25.5	24.5	-.8	.2
State Government	4.0	4.5	4.1	-.5	.0
State Government Education[i]	2.6	3.1	2.6	-.5	0
Local Government	18.6	18.8	18.3	-.3	.2
Local Government Education	12.1	12.4	12.1	-.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$568.55	$596.71	$601.44	41.5	42.2	43.3	$13.70	$14.14	$13.89
Durable Goods[e]	585.05	613.10	619.33	41.7	42.4	43.8	14.03	14.46	14.14
Primary Metal Industries	632.12	627.68	661.62	41.1	40.6	43.3	15.38	15.46	15.28
Blast Furnace and Basic Steel Products	609.84	608.89	595.19	44.0	43.9	43.7	13.86	13.87	13.62
Fabricated Metal Products	580.77	582.58	603.00	44.3	42.9	44.7	13.11	13.58	13.49
Metal Forgings and Stampings	772.26	682.13	713.91	47.7	43.2	46.6	16.19	15.79	15.32
Industrial Machinery and Equipment	496.54	515.30	514.40	40.7	42.1	43.3	12.20	12.24	11.88
Transportation Equipment	697.57	741.01	683.20	43.9	46.4	46.1	15.89	15.97	14.82
Nondurable Goods[f]	426.92	405.73	387.66	40.2	39.7	37.6	10.62	10.22	10.31
Wholesale Trade	380.64	378.02	371.22	39.0	38.3	39.2	9.76	9.87	9.47
Retail Trade[h]	179.03	186.91	176.79	27.5	28.8	28.7	6.51	6.49	6.16
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......
Finance	225.41	220.51	217.14	......	......	......	......	......	......

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Minor Metropolitan Areas

Civilian Labor Force and Nonagricultural Wage and Salary Employment data are now available and will be published each month for Ohio's five minor metropolitan areas. The data are not seasonally adjusted.

Metropolitan Area	January 1990 Nonagricultural Employment	Counties
Hamilton–Middletown	94,100	Butler
Lima	71,500	Allen, Auglaize
Lorain–Elyria	85,300	Lorain
Mansfield	59,000	Richland
Steubenville–Weirton	51,600	Jefferson, OH; Brooke, Hancock, WV

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			**Change**[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	132.3	132.8	133.3	-.5	-1.0
Employment	124.4	124.9	125.8	-.5	-1.4
Unemployment	7.9	7.9	7.4	.0	.5
Unemployment Rate	5.9	5.9	5.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			**Change**[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	94.1	96.7	93.3	-2.6	.9
Goods–Producing Industries	27.2	28.1	27.2	-.9	.0
Construction and Mining	5.0	5.9	4.8	-.9	.2
Manufacturing	22.2	22.2	22.4	.0	-.2
Durable Goods	15.4	15.4	15.4	.0	.1
Primary Metal Industries	7.3	7.1	6.8	.2	.5
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.4	2.5	2.3	.0	.1
Nondurable Goods	6.7	6.8	7.0	.0	-.3
Paper and Allied Products	4.8	4.8	5.1	.0	-.3
Paper Mills	3.6	3.6	3.8	.0	-.2
Service–Producing Industries	66.9	68.6	66.1	-1.7	.9
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	5.5	5.6	5.6	-.1	-.1
Wholesale Trade–Durable Goods	3.8	3.9	3.9	-.1	-.1
Retail Trade	16.8	17.7	17.0	-.8	-.2
Food Stores	2.9	3.0	3.1	-.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.9	.0	-.2
Services	18.7	19.0	17.7	-.3	1.0
Health Services	8.2	8.3	7.9	-.1	.4
Government	17.8	18.1	17.6	-.4	.2
State Government	7.6	7.8	7.5	-.2	.1
Local Government	9.6	9.7	9.5	-.1	.1
Local Government Education	6.2	6.4	6.1	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			**Average Weekly Hours**			**Average Hourly Earnings**		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$592.29	$610.58	$595.41	44.3	45.6	44.6	$13.37	$13.39	$13.35
Durable Goods	595.72	615.17	605.62	43.9	45.3	44.4	13.57	13.58	13.64
Primary Metal Industries	649.00	685.95	695.84	44.3	46.6	45.9	14.65	14.72	15.16
Fabricated Metal Products	497.75	530.93	543.14	40.9	43.2	42.4	12.17	12.29	12.81
Industrial Machinery and Equipment	644.80	665.28	601.50	49.6	50.4	46.7	13.00	13.20	12.88
Nondurable Goods	581.72	600.32	571.78	45.2	46.5	45.2	12.87	12.91	12.65
Paper and Allied Products	604.30	630.84	614.07	46.2	47.9	47.2	13.08	13.17	13.01
Paper Mills	622.04	651.36	632.13	46.7	48.5	47.6	13.32	13.43	13.28
Wholesale Trade	431.39	426.42	434.43	41.4	41.2	43.4	10.42	10.35	10.01
Retail Trade[h]	167.48	171.09	157.26	27.5	28.9	26.7	6.09	5.92	5.89

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	78.4	78.9	75.8	-.5	2.6
Employment	73.0	73.2	71.5	-.2	1.5
Unemployment	5.4	5.6	4.3	-.2	1.1
Unemployment Rate	6.9	7.1	5.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	71.5	73.8	70.1	-2.3	1.4
Goods–Producing Industries	25.6	26.7	25.2	-1.1	.3
Construction and Mining	2.9	3.1	2.8	-.3	.1
Manufacturing	22.7	23.6	22.5	-.9	.2
Durable Goods	16.4	17.3	16.7	-.9	-.3
Fabricated Metal Products	2.7	2.8	2.5	-.1	.3
Industrial Machinery and Equipment	4.2	4.1	3.8	.1	.4
Transportation Equipment	6.7	7.6	7.6	-.9	-.9
Motor Vehicles and Equipment	2.9	3.6	3.8	-.8	-1.0
Nondurable Goods	6.3	6.2	5.8	.0	.5
Food and Kindred Products	1.8	1.8	1.7	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	1.9	.1	.3
Service–Producing Industries	45.9	47.1	44.8	-1.2	1.1
Transportation and Public Utilities	3.0	3.1	2.8	-.1	.2
Wholesale Trade	3.4	3.5	3.4	-.1	.0
Retail Trade	14.0	14.7	13.3	-.7	.7
General Merchandise Stores	2.2	2.3	1.9	-.1	.3
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	14.1	14.3	14.1	-.1	.1
Health Services	6.5	6.4	6.1	.0	.3
Hospitals	3.1	3.1	3.0	.0	.1
Government	9.3	9.5	9.2	-.2	.1
Local Government	6.9	7.0	6.8	-.1	.1
Local Government Education	4.2	4.3	4.0	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$544.35	$567.60	$552.55	42.1	43.0	42.9	$12.93	$13.20	$12.88
Durable Goods	535.92	571.13	552.55	42.0	43.3	43.0	12.76	13.19	12.85
Fabricated Metal Products	367.63	370.30	378.29	41.4	41.7	42.6	8.88	8.88	8.88
Industrial Machinery and Equipment	469.77	488.04	465.79	41.1	42.0	41.7	11.43	11.62	11.17
Transportation Equipment	670.14	717.66	659.12	42.2	44.3	42.8	15.88	16.20	15.40
Motor Vehicles and Equipment	737.86	797.74	737.24	43.2	45.9	44.6	17.08	17.38	16.53
Nondurable Goods	565.97	555.18	552.52	42.3	41.9	42.6	13.38	13.25	12.97
Food and Kindred Products	379.36	385.93	362.07	40.4	41.1	40.5	9.39	9.39	8.94
Rubber and Miscellaneous Plastics Products	576.31	529.58	601.99	44.4	42.4	46.2	12.98	12.49	13.03
Wholesale Trade	369.97	371.52	368.38	38.7	38.7	38.9	9.56	9.60	9.47
Retail Trade[h]	188.45	193.75	160.38	30.2	31.2	27.7	6.24	6.21	5.79
General Merchandise Stores	168.91	192.20	155.04	27.2	31.0	25.5	6.21	6.20	6.08

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included.
[i] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	115.9	117.6	120.6	-1.7	-4.7
Employment	106.5	108.7	112.4	-2.2	-5.9
Unemployment	9.4	8.9	8.2	.5	1.2
Unemployment Rate	8.1	7.6	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	85.3	90.4	90.6	-5.2	-5.3
Goods-Producing Industries	26.2	29.9	32.2	-3.7	-6.0
Construction and Mining	3.5	4.1	3.2	-.6	.3
Manufacturing	22.7	25.8	29.0	-3.1	-6.3
Durable Goods	18.1	21.2	24.5	-3.1	-6.4
Primary Metal Industries	4.2	4.2	4.5	.0	-.3
Fabricated Metal Products	4.3	4.3	4.1	.0	2
Tansportation Equipment	2.3	5.3	8.6	-3.1	-6.3
Nondurable Goods	4.6	4.6	4.5	.0	.1
Service-Producing Industries	59.1	60.5	58.4	-1.5	.6
Transportation and Public Utilities	3.4	3.5	3.1	-.1	.3
Wholesale Trade	2.3	2.4	2.5	-.1	-.2
Retail Trade	16.5	17.2	16.1	-.7	.4
Finance, Insurance, and Real Estate	3.2	3.2	3.1	.0	.2
Services	20.3	20.6	20.0	-.4	.2
Health Services	8.5	8.5	8.3	.0	.2
Hospitals	4.1	4.1	4.0	.0	.1
Government	13.3	13.5	13.6	-.2	-.3
Local Government	11.3	11.5	11.8	-.2	-.5
Local Government Education	7.7	7.9	7.6	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$512.83	$528.78	$603.45	42.7	41.9	44.7	$12.01	$12.62	$13.50
Durable Goods	542.07	553.71	639.77	43.4	42.3	45.6	12.49	13.09	14.03
Primary Metal Industries	629.44	624.26	595.88	44.8	44.4	42.9	14.05	14.06	13.89
Fabricated Metal Products	432.31	435.60	475.96	43.8	44.0	46.8	9.87	9.90	10.17
Transportation Equipment	813.75	660.49	813.62	46.5	40.2	48.2	17.50	16.43	16.88
Nondurable Goods	398.80	402.59	381.00	40.0	39.9	39.4	9.97	10.09	9.67
Wholesale Trade	365.95	359.29	371.71	38.4	37.9	38.4	9.53	9.48	9.68
Retail Trade[h]	156.37	163.91	162.34	25.1	26.1	26.7	6.23	6.28	6.08

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included.
[i] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	65.3	65.7	65.6	-.4	-.3
Employment	60.7	60.9	61.7	-.2	-1.0
Unemployment	4.6	4.8	3.9	-.2	.7
Unemployment Rate	7.1	7.3	6.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	59.0	60.8	58.9	-1.8	.0
Goods-Producing Industries	20.7	21.1	21.0	-.4	-.3
Construction and Mining	1.8	2.1	1.8	-.3	.0
Manufacturing	18.9	19.0	19.2	-.1	-.3
Durable Goods	16.9	17.0	17.2	-.1	-.3
Fabricated Metal Products	5.7	5.7	5.8	.0	-.1
Electronic and Other Electric Equipment	3.3	3.3	3.3	.0	.0
Nondurable Goods	2.0	2.0	2.0	.0	.0
Service-Producing Industries	38.2	39.7	37.9	-1.5	.3
Transportation and Public Utilities	2.8	3.0	2.8	-.2	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	11.4	12.2	10.9	-.7	.5
Finance, Insurance, and Real Estate	2.4	2.4	2.5	.0	-.1
Services	12.1	12.5	12.3	-.3	-.1
Health Services	4.4	4.4	4.2	.0	.2
Government	7.2	7.4	7.2	-.2	.0
Local Government	5.5	5.7	5.5	-.2	-.1
Local Government Education	3.7	3.9	3.8	-.2	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$556.50	$557.88	$573.78	42.0	42.2	43.8	$13.25	$13.22	$13.10
Durable Goods	575.71	573.91	596.51	41.9	41.8	43.7	13.74	13.73	13.65
Fabricated Metal Products	700.15	698.89	784.32	41.9	41.9	45.6	16.71	16.68	17.20
Electronic and Other Electric Equipment	464.10	452.86	449.86	42.5	41.7	41.5	10.92	10.86	10.84
Nondurable Goods	373.25	402.58	356.33	43.3	45.8	44.1	8.62	8.79	8.08
Wholesale Trade	341.82	330.26	320.36	39.7	38.9	39.6	8.61	8.49	8.09
Retail Trade[h]	161.39	163.80	154.70	26.5	27.3	26.4	6.09	6.00	5.86

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Dec. 1989[b]	Nov. 1989[c]	Dec. 1988[c]	From Last Month	From Last Year
Civilian Labor Force	56.9	56.5	56.4	.4	.5
Employment	53.1	52.7	53.1	.4	.0
Unemployment	3.8	3.8	3.3	.0	.5
Unemployment Rate	6.6	6.8	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Total	51.6	52.8	50.8	-1.2	.8
Goods–Producing Industries	19.8	19.9	20.1	-.2	-.3
Mining	.9	1.0	.9	.0	.0
Construction	1.3	1.4	1.3	-.1	.0
Manufacturing	17.5	17.6	17.9	-.1	-.3
Durable Goods	16.0	16.1	16.3	-.1	-.3
Primary Metal Industries	12.7	12.7	12.9	.0	-.2
Nondurable Goods	1.5	1.5	1.6	.0	-.1
Service–Producing Industries	31.8	32.8	30.7	-1.0	1.1
Transportation and Public Utilities	3.3	3.3	3.2	-.1	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.2	9.7	8.7	-.5	.5
General Merchandise Stores	1.8	2.0	1.6	-.2	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.2	10.6	9.8	-.5	.3
Health Services	4.5	4.5	4.4	.0	.1
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.1	6.1	6.0	.0	.1
Local Government	5.3	5.3	5.2	.0	.1
Local Government Education	3.4	3.4	3.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]
Manufacturing	$518.32	$519.94	$473.06	44.0	44.1	41.1	$11.78	$11.79	$11.51
Durable Goods	540.42	542.53	501.17	44.7	44.8	42.4	12.09	12.11	11.82
Primary Metal Industries	578.34	578.34	524.96	45.9	45.9	43.1	12.60	12.60	12.18
Nondurable Goods	218.13	218.13	147.51	34.9	34.9	26.2	6.25	6.25	5.63
Wholesale Trade	345.35	341.25	325.13	39.2	39.0	37.5	8.81	8.75	8.67
Retail Trade[h]	158.49	165.25	159.02	27.0	28.2	27.8	5.87	5.86	5.72

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	January 1990	December 1989	January 1989
New Applicants	37,843	27,168	41,943
Active File of Job Seekers	189,046	173,458	252,036
Counseling Interviews	970	827	1,098
Tests Administered	1,527	922	1,652
General Aptitude Tests	259	169	102
Proficiency Tests	175	261	329
Specific Aptitude Tests	288	75	338
Referrals to Jobs	17,963	14,170	20,202
Placements	2,831	2,851	4,344
Job Openings Received	7,803	5,094	11,070
Job Openings Unfilled	14,212	13,794	19,179

Selected Unemployment Insurance Activities

	Ohio		
	January 1990	December 1989	January 1989
Initial Claims	126,036	102,739	78,656
Continued Claims	680,630	416,398	510,882
First Payments	60,348	36,670	39,444
Last Payments	5,988	5,032	5,058
Average Weekly Claimants	141,989	98,619	113,358
Average Weekly Benefit Recipients	113,623	78,983	90,229
Weeks Compensated	505,632	341,684	373,474
Benefits Paid	$83,571,684	$55,533,092	$57,196,981
Average Weekly Payment	$173.38	$169.59	$158.55
Continued Claims for Survey Week	163,156	101,213	115,460
Insured Unemployment Rate	3.1	2.2	2.6
Net Contributions	$21,630,811	$4,649,244	$17,519,587
Active Employer Accounts	206,158	205,964	201,677

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

February 1990

Summary. Ohio's seasonally adjusted unemployment rate fell from 6.7 percent in January to 5.8 percent in February. The national rate was 5.3 percent for the ninth consecutive month. Total employment in Ohio increased 1,000 to 5,061,000, while total unemployment, at 311,000, declined 55,000. Nonagricultural wage and salary employment (seasonally adjusted) in Ohio rose 42,000 from January to 4,889,000 in February with gains reported in both goods-producing and service-producing industries. (See page 3.)

Goods-Producing Industries. The return of workers in the automobile industry helped to raise employment in goods-producing industries 28,000 from January to 1,340,000 in February. Recalls in fabricated metal products and primary metal industries also contributed to the increase. Overall, employment in durable-goods manufacturing industries rose 26,000 to 750,000. Nondurable-goods employment, at 372,000, was unchanged over the month. Employment in construction advanced 2,000 from January to 199,000 in February, while mining employment remained at 18,000.

Service-Producing Industries. Increases of 5,000 in both retail trade and services were mainly responsible for boosting employment in service-producing industries 14,000 from January to 3,549,000 in February. Employment in government was up 3,000 due to gains in local government. Finance, insurance, and real estate rose slightly, while transportation and public utilities and wholesale trade were little changed from January.

Over the Year. Ohio's unemployment rate rose from 5.1 percent in February 1989 to 5.8 percent in February 1990. The national rate of 5.3 percent was up from 5.2 percent in February 1989. Total employment in Ohio was down 48,000 from February 1989, while total unemployment was up 34,000. Nonagricultural payroll employment rose 93,000 from a year ago. Retail trade increased 34,000 and services advanced 29,000. Government and wholesale trade also had notable increases. Employment in goods-producing industries was virtually unchanged from February 1989 as declines in durable-goods industries were offset by gains in nondurable goods and construction.

Factory Hours and Earnings. The average weekly earnings of Ohio's production workers in manufacturing industries rose $5.49 from January to $517.47 in February. Their average workweek fell slightly to 41.9 hours. Much of the increase was due to the recall of high-paid workers in motor vehicles and equipment. Higher earnings were also reported in metal forgings and stampings, general industrial machinery, and aircraft and parts.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 73,917 in February, down 41.4 percent from January, but up 60.5 percent from February

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

1989. Total benefits paid rose 0.9 percent to $84.3 million. The average weekly benefit check increased $1.93 from January to $175.31. The average weekly number of benefit recipients, at 122,943, was up 8.2 percent. At the end of February there were 206,606 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,318 new job applicants in February, down 14.6 percent from January, and down 18.9 percent from February 1989. Job openings received from employers fell 12.2 percent from January to 6,849. The Employment Services Division made 17,247 job referrals and 2,326 placements.

Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644–2689, or write:

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1990	Jan. 1990	Feb. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,372	5,426	5,386	-54	-14	-1.0	-.3
Employment	5,061	5,060	5,109	1	-48	.0	-.9
Unemployment	311	366	277	-55	34	-15.0	12.3
Unemployment Rate	5.8	6.7	5.1				
Employer Survey Data[e]							
Total	4,889	4,848	4,796	42	93	.9	1.9
Goods–Producing Industries	1,340	1,312	1,340	28	0	2.1	.0
Mining	18	18	18	0	0	-.6	-1.8
Coal Mining	8	8	8	0	0	.1	-1.2
Oil and Gas Extraction	6	6	6	0	0	-.7	-4.0
Construction	199	198	194	2	5	.8	2.8
General Building Contractors	48	48	48	1	0	1.2	.2
Heavy Construction, Except Building	23	23	24	0	-1	.4	-2.1
Special Trade Contractors	127	126	121	1	6	.7	4.9
Manufacturing	1,123	1,097	1,128	26	-5	2.4	-.5
Durable Goods	750	725	760	26	-9	3.6	-1.2
Lumber and Wood Products	23	23	23	0	0	-1.9	-.1
Furniture and Fixtures	16	16	16	0	0	-1.1	-1.1
Stone, Clay, and Glass Products	46	46	47	0	-1	.5	-1.2
Primary Metal Industries	101	99	103	1	-2	1.3	-2.2
Fabricated Metal Products	136	131	138	4	-2	3.4	-1.5
Industrial Machinery and Equipment	168	168	168	0	0	-.1	-.2
Electronic and Other Electric Equipment	78	78	80	0	-1	.3	-1.6
Transportation Equipment	141	121	144	21	-2	17.1	-1.6
Instruments and Related Products	27	27	27	0	0	.1	-.9
Nondurable Goods	372	372	369	0	4	.1	1.0
Food and Kindred Products	65	65	63	0	2	-.1	2.5
Apparel and Other Textile Products	15	15	16	0	-1	1.2	-4.4
Paper and Allied Products	38	38	37	0	1	-.2	1.5
Printing and Publishing	75	75	74	0	2	.2	2.2
Chemicals and Allied Products	66	66	65	0	1	.2	1.6
Rubber and Misc. Plastics Products	95	95	96	0	-1	.1	-.6
Service–Producing Industries	3,549	3,535	3,456	14	93	.4	2.7
Transportation and Public Utilities	219	219	215	0	4	.1	1.8
Transportation	128	128	125	0	4	.3	2.9
Communications, Electric, Gas Services	91	91	90	0	0	-.2	.4

See footnotes on page 4.

Ohio (continued)

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Feb. 1990	Jan. 1990	Feb. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	269	269	261	0	8	.1	3.0
Wholesale Trade-Durable Goods	170	170	166	0	5	.1	2.8
Wholesale Trade-Nondurable Goods	99	99	95	0	3	.1	3.4
Retail Trade	931	926	897	5	34	.5	3.8
Building Materials and Garden Supplies	36	36	34	0	2	.5	5.4
General Merchandise Stores	128	127	124	1	4	1.0	3.4
Food Stores	143	143	138	0	5	1	3.6
Automotive Dealers and Service Stations	102	101	98	0	4	.4	3.8
Apparel and Accessory Stores	50	50	47	0	3	.8	6.7
Furniture and Homefurnishings Stores	33	33	31	0	1	.2	4.6
Eating and Drinking Places	319	317	312	2	7	.6	2.2
Miscellaneous Retail	121	120	113	0	8	.3	6.8
Finance, Insurance, and Real Estate	257	256	251	1	6	.2	2.3
Finance	121	121	119	0	2	-.1	1.6
Depository Institutions	91	91	90	0	1	-.4	.8
Insurance	93	92	90	0	2	.3	2.3
Real Estate	44	43	42	0	2	1.0	4.4
Services	1,159	1,154	1,130	5	29	.5	2.6
Hotels and Other Lodging Places	38	38	38	0	0	.3	-.2
Personal Services	55	54	54	0	1	.5	1.5
Business Services	211	209	200	2	11	.8	5.7
Amusements, Including Motion Pictures	54	54	57	0	-4	.1	-6.7
Health Services	391	391	380	1	12	.2	3.0
Legal Services	29	29	28	0	1	.3	4.9
Educational Services	60	60	62	0	-2	-.2	-3.9
Social Services	74	73	72	0	2	.4	3.1
Membership Organizations	80	79	77	0	2	.2	3.1
Engineering and Management Services	87	86	86	1	1	.6	1.2
Government	714	711	701	3	13	.4	1.8
Federal Government	96	96	96	0	1	.0	.6
State Government	159	158	156	1	4	.5	2.3
State Government Education	82	82	80	0	1	.1	1.7
Local Government	458	456	450	2	8	.5	1.9
Local Government Education	268	267	262	1	6	.5	2.4

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

	Civilian Labor Force			Unemployment Rates	
	Total	Employed	Unemployed	Ohio	U.S.
1988					
February	5,333	4,991	342	6.4	5.7
March	5,368	4,969	399	7.4	5.7
April	5,310	4,977	333	6.3	5.5
May	5,278	4,957	321	6.1	5.6
June	5,289	4,981	308	5.8	5.4
July	5,294	5,000	294	5.6	5.5
August	5,311	5,007	304	5.7	5.6
September	5,283	4,966	317	6.0	5.4
October	5,333	5,038	295	5.5	5.3
November	5,362	5,063	299	5.6	5.3
December	5,350	5,060	290	5.4	5.3
1989					
January	5,399	5,078	321	5.9	5.4
February	5,386	5,109	277	5.1	5.2
March	5,403	5,116	287	5.3	5.0
April	5,374	5,090	284	5.3	5.3
May	5,409	5,116	293	5.4	5.2
June	5,445	5,142	303	5.6	5.3
July	5,420	5,124	296	5.5	5.3
August	5,427	5,162	265	4.9	5.3
September	5,441	5,153	288	5.3	5.3
October	5,462	5,135	327	6.0	5.3
November	5,415	5,081	334	6.2	5.3
December	5,442	5,110	332	6.1	5.3
1990					
January	5,426	5,060	366	6.7	5.3
February	5,372	5,061	311	5.8	5.3

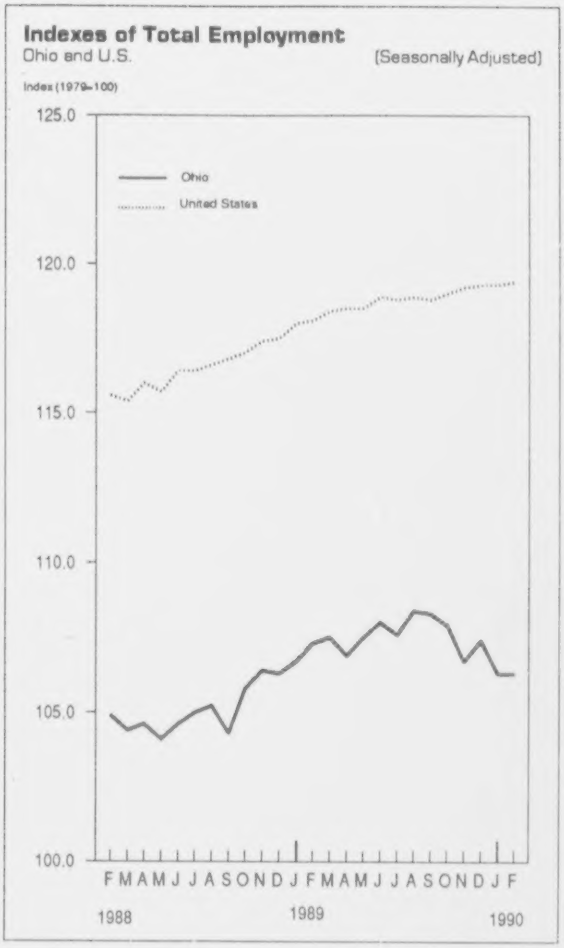
Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
February	4,643	1,303	20	181	1,102
March	4,652	1,300	19	184	1,096
April	4,684	1,314	19	190	1,105
May	4,689	1,312	19	188	1,105
June	4,707	1,316	19	188	1,109
July	4,713	1,319	19	186	1,114
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,889	1,340	18	199	1,123

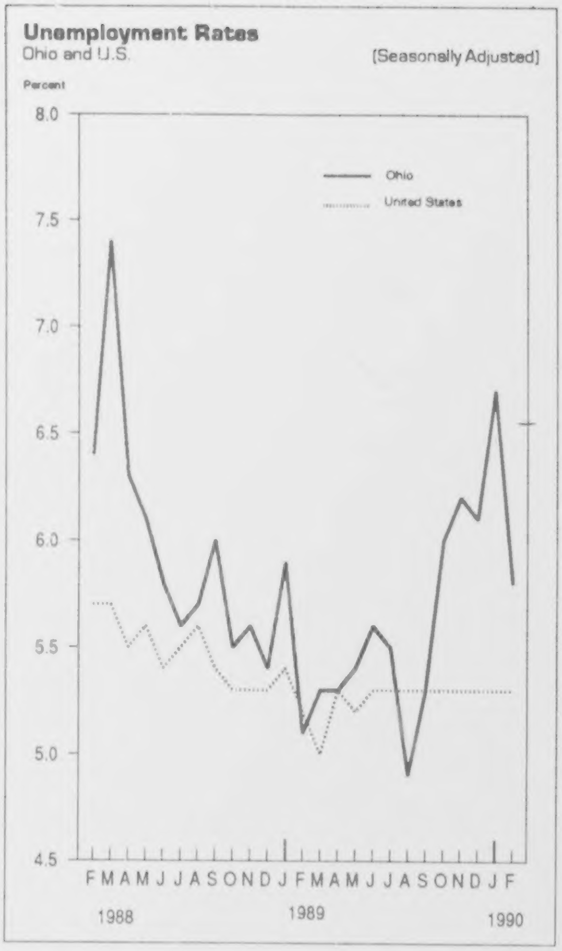
Service–Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,341	210	February	252	868	247	February	1,073	691
3,353	210	March	253	871	248	March	1,079	692
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,549	219	February	269	931	257	February	1,159	714

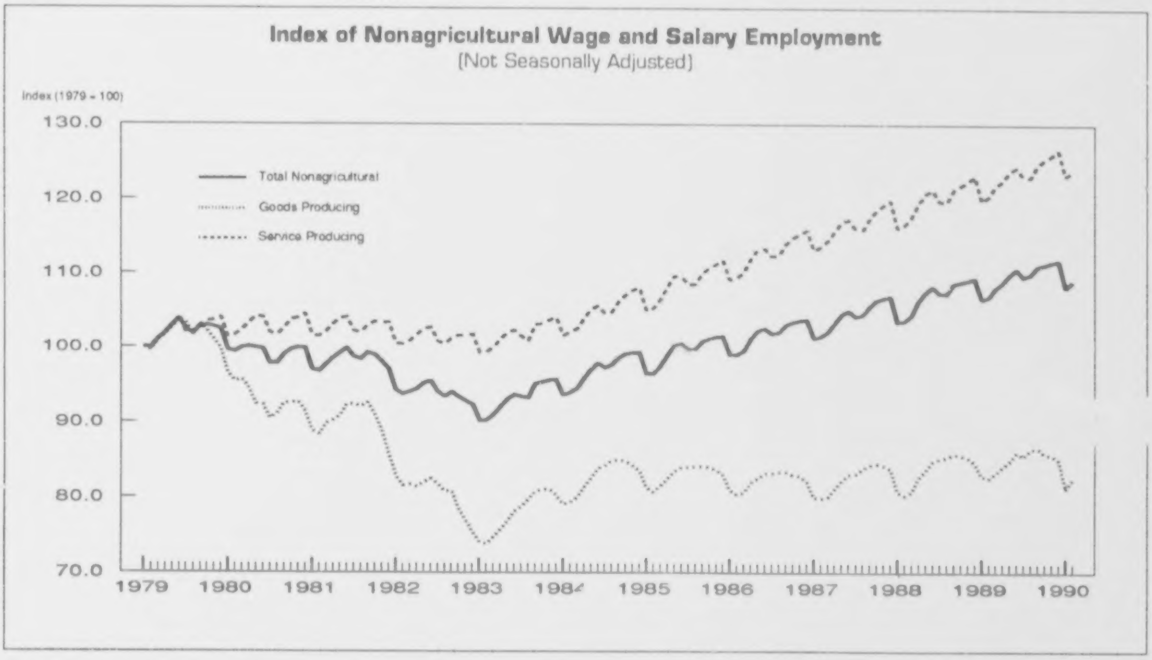
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.



Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)



Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rates			Nonagricultural Employment				
							Goods–Producing Employment			
Total	Employed	Unemployed	Ohio	U.S.		Total	Total	Mining	Construction	Manufacturing
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,596.8	31.6	182.9	1,382.3
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,462.5	30.7	167.4	1,264.3
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,417.0	30.7	153.7	1,232.6
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,264.8	30.3	134.6	1,099.9
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,223.4	26.6	130.8	1,066.0
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,299.7	27.8	144.8	1,127.0
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,304.3	26.1	154.0	1,124.2
5,232	4,806	425	8.1	7.0	1986	4,471.4	1,293.1	22.6	160.7	1,109.8
5,253	4,886	367	7.0	6.2	1987	4,582.6	1,296.2	20.9	176.4	1,098.9
5,322	5,002	320	6.0	5.5	1988	4,700.6	1,315.1	18.9	185.6	1,110.6
5,419	5,118	300	5.5	5.3	1989	4,817.2	1,333.9	17.8	193.1	1,123.0
					1989					
5,355	5,043	312	5.8	5.6	February	4,696.4	1,297.2	17.6	161.2	1,118.4
5,351	5,043	308	5.8	5.2	March	4,746.9	1,309.3	17.7	169.0	1,122.6
5,333	5,066	268	5.0	5.1	April	4,777.0	1,320.5	17.8	181.5	1,121.2
5,393	5,117	276	5.1	5.0	May	4,827.0	1,333.3	17.8	191.3	1,124.2
5,505	5,184	320	5.8	5.5	June	4,858.3	1,351.4	18.1	201.8	1,131.5
5,483	5,210	273	5.0	5.3	July	4,815.3	1,343.2	15.4	209.6	1,118.2
5,481	5,223	259	4.7	5.1	August	4,830.3	1,358.7	18.5	212.3	1,128.0
5,425	5,158	267	4.9	5.1	September	4,877.8	1,361.7	18.5	211.8	1,131.4
5,477	5,169	308	5.6	5.0	October	4,885.7	1,347.1	18.6	212.3	1,116.3
5,434	5,113	321	5.9	5.2	November	4,900.8	1,346.8	18.3	205.5	1,123.0
5,421	5,094	328	6.0	5.1	December	4,909.6	1,335.6	18.1	195.8	1,121.7
					1990					
5,391	4,979	412	7.6	5.9	January	4,752.1	1,275.5	17.6	170.6	1,087.3
5,344	4,998	346	6.5	5.8	February	4,787.3	1,296.5	17.2	166.2	1,113.1

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,399.1	209.9	February	258.5	864.6	248.3	February	1,104.6	713.2
3,437.6	211.1	March	260.4	877.8	249.8	March	1,118.2	720.3
3,456.5	212.8	April	260.3	886.2	249.4	April	1,131.3	716.6
3,493.6	215.1	May	262.4	899.5	251.2	May	1,142.5	723.0
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,490.8	213.7	February	266.3	897.6	254.0	February	1,133.2	726.0

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,118.4	754.4	364.1	February	767.8	402.5	33.0
1,122.6	756.8	365.8	March	770.7	402.5	33.1
1,121.2	755.2	366.0	April	769.7	404.7	32.9
1,124.2	756.5	367.7	May	771.7	403.0	33.0
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	409.1	32.1
1,128.0	754.9	373.1	August	774.0	390.9	32.1
1,131.4	755.5	375.9	September	776.2	398.2	33.1
1,116.3	742.1	374.2	October	765.6	408.7	33.1
1,123.0	749.5	373.5	November	770.4	399.0	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.1	745.2	367.9	February	760.3	393.4	31.9

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
524.17	546.80	473.47	February	43.0	43.5	41.9	February	12.19	12.57	11.30
525.10	548.97	471.33	March	42.9	43.5	41.6	March	12.24	12.62	11.33
521.37	541.73	473.82	April	42.7	43.2	41.6	April	12.21	12.54	11.39
522.22	543.02	473.10	May	42.7	43.2	41.5	May	12.23	12.57	11.40
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
517.47	535.10	479.08	February	41.9	42.2	41.3	February	12.35	12.68	11.60

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment
(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	63.2	73.9	96.4
			1989						
44.8	102.9	136.9	February	167.6	79.7	143.7	61.2	73.1	95.4
45.3	102.8	137.3	March	168.7	79.8	144.0	61.5	73.3	96.0
45.4	103.2	136.5	April	167.8	78.9	144.8	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	63.4	75.0	96.7
			1990						
44.2	98.8	130.5	January	167.6	78.4	120.6	63.3	74.6	94.7
44.2	100.6	134.8	February	167.2	78.4	141.5	62.7	74.7	94.9

Average Weekly Earnings of Production Workers

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	458.39	457.81	446.05
			1989						
473.88	629.95	516.17	February	552.27	472.49	701.88	440.18	445.02	459.11
469.88	619.89	510.00	March	543.01	462.04	713.11	449.35	454.31	450.02
475.25	621.72	509.22	April	542.68	459.95	723.31	448.93	447.70	441.42
478.08	624.34	509.65	May	538.46	457.60	683.55	455.10	448.84	444.37
473.45	620.64	514.61	June	537.34	457.19	692.19	454.69	446.18	450.71
479.52	632.19	505.91	July	535.67	455.67	713.25	468.26	447.70	459.67
477.28	607.26	498.42	August	515.10	445.21	676.67	462.42	449.26	445.82
480.22	613.02	490.28	September	515.95	457.73	682.78	468.42	448.14	444.56
476.43	628.97	523.13	October	528.04	458.97	720.50	458.05	468.00	451.78
490.05	610.42	507.78	November	528.90	460.37	711.67	457.03	467.63	440.15
488.91	616.07	512.68	December	534.69	462.31	720.72	467.58	478.67	440.35
471.10	618.02	433.54							
			1990						
473.59	605.12	489.82	January	520.15	459.26	670.64	476.57	470.00	442.21
477.14	603.35	498.49	February	531.36	467.46	677.21	452.06	471.22	443.56

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	4787.3	4752.1	4696.4	35.2	90.9
Goods-Producing Industries	1296.5	1275.5	1297.2	21.0	-.7
Mining	17.2	17.6	17.6	-.3	-.3
Coal Mining	7.5	7.5	7.6	.0	-.1
Oil and Gas Extraction	5.6	5.8	5.8	-.2	-.2
Construction	166.2	170.6	161.2	-4.4	4.9
General Building Contractors	42.2	43.3	42.1	-1.1	.1
Nonresidential Building Construction	21.4	22.2	22.3	-.8	-.9
Heavy Construction, Except Building	15.5	16.0	15.8	-.6	-.3
Highway and Street Construction	3.9	4.1	3.9	-.2	.0
Special Trade Contractors	108.5	111.3	103.4	-2.8	5.1
Manufacturing	1113.1	1087.3	1118.4	25.7	-5.3
Durable Goods[e]	745.2	719.3	754.4	25.8	-9.2
Lumber and Wood Products	21.6	22.0	21.6	-.4	.0
Millwork, Plywood and Structural Members	9.5	10.0	9.6	-.5	-.1
Furniture and Fixtures	15.6	15.7	15.7	-.1	-.2
Stone, Clay, and Glass Products	44.2	44.2	44.8	.0	-.5
Primary Metal Industries	100.6	98.8	102.9	1.8	-2.3
Blast Furnace and Basic Steel Products	46.7	46.9	46.4	-.2	.3
Iron and Steel Foundries	20.0	18.9	20.9	1.1	-.9
Nonferrous Rolling and Drawing	16.0	15.2	17.6	.8	-1.6
Nonferrous Foundries	10.7	10.5	10.7	.2	.0
Fabricated Metal Products	134.8	130.5	136.9	4.3	-2.1
Fabricated Structural Metal Products	29.8	30.3	29.6	-.5	.2
Metal Forgings and Stampings	38.8	34.9	40.4	3.8	-1.6
Industrial Machinery and Equipment	167.2	167.6	167.6	-.4	-.4
Construction and Related Machinery	14.6	14.5	13.8	.1	.8
Metalworking Machinery	47.1	47.3	47.4	-.1	-.3
Special Industry Machinery	17.4	17.5	17.2	-.1	.3
General Industrial Machinery	26.1	26.0	26.4	.2	-.2
Computer and Office Equipment	11.1	11.1	11.8	.0	-.7
Refrigeration and Service Machinery	15.5	16.1	16.4	-.5	-.9
Electronic and Other Electric Equipment	78.4	78.4	79.7	.0	-1.3
Electrical Industrial Apparatus	12.4	12.6	12.7	-.2	-.2
Household Appliances	15.8	15.8	15.3	.1	.5
Electric Lighting and Wiring Equipment	16.4	15.9	16.7	.6	-.3
Electronic Components and Accessories	11.2	11.3	11.4	-.2	-.2
Transportation Equipment	141.5	120.6	143.7	20.8	-2.2
Motor Vehicles and Equipment	96.2	75.5	98.6	20.7	-2.4
Aircraft and Parts	36.8	36.8	36.4	.0	.3
Instruments and Related Products	26.4	26.6	26.7	-.2	-.2
Measuring and Controlling Devices	16.0	16.1	16.4	-.1	-.4
Nondurable Goods[f]	367.9	368.0	364.1	-.1	3.9
Food and Kindred Products	62.7	63.3	61.2	-.6	1.5
Dairy Products	10.2	10.2	9.7	.1	.6
Preserved Fruits and Vegetables	10.7	11.1	10.3	-.4	.4
Bakery Products	9.6	9.6	9.1	.0	.5
Apparel and Other Textile Products	14.9	14.7	15.6	.2	-.7
Paper and Allied Products	37.7	37.8	37.2	-.1	.5
Paperboard Containers and Boxes	14.0	13.9	13.3	.1	.7
Miscellaneous Converted Paper Products	12.0	12.0	12.1	.0	-.1
Printing and Publishing	74.7	74.6	73.1	.1	1.6
Newspapers	19.1	19.1	18.8	.1	.4
Commercial Printing	27.3	27.3	26.8	.0	.6
Chemicals and Allied Products	65.3	65.2	64.3	.2	1.0
Plastics Materials and Synthetics	9.7	9.7	9.5	.0	.3
Rubber and Miscellaneous Plastics Products	94.9	94.7	95.4	.2	-.5
Tires and Inner Tubes	15.8	15.8	14.6	.0	1.2
Miscellaneous Plastics Products	57.0	56.3	57.8	.6	-.8
Service-Producing Industries	3490.8	3476.5	3399.1	14.3	91.7
Transportation and Public Utilities	213.7	213.7	209.9	-.1	3.7
Transportation	123.7	123.4	120.2	.2	3.5
Railroad Transportation	11.9	12.1	12.6	-.2	-.7
Trucking and Warehousing	74.3	73.7	72.7	.5	1.5
Transportation by Air	14.0	13.9	12.8	.1	1.1
Communications, Electric, Gas Services	90.0	90.3	89.7	-.3	.2
Communications	46.8	47.0	47.5	-.2	-.6
Electric, Gas, and Sanitary Services	43.2	43.3	42.3	-.1	.9

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Wholesale Trade	266.3	266.4	258.5	-.1	7.9
Wholesale Trade-Durable Goods	169.0	168.8	164.3	.1	4.7
Motor Vehicles, Parts, and Supplies	22.7	22.8	22.5	-.1	.3
Professional and Commercial Equipment	32.7	32.6	31.6	.1	1.1
Metals and Minerals, Except Petroleum	11.2	11.2	11.3	-.1	-.1
Electrical Goods	18.7	18.7	18.3	.0	.4
Hardware, Plumbing and Heating Equipment	12.8	12.7	12.3	.1	.4
Machinery, Equipment, and Supplies	42.4	42.2	40.9	.2	1.5
Wholesale Trade-Nondurable Goods	97.4	97.6	94.2	-.2	3.2
Groceries and Related Products	32.1	32.3	30.9	-.2	1.3
Retail Trade	897.6	905.9	864.6	-8.3	33.0
Building Materials and Garden Supplies	32.8	33.0	31.1	-.2	1.7
Lumber and Other Building Materials	16.7	16.9	16.0	-.2	.7
General Merchandise Stores	123.9	128.5	119.6	-4.7	4.2
Department Stores	101.1	105.1	96.4	-4.0	4.7
Variety Stores	13.4	13.6	13.5	-.2	-.1
Food Stores	140.3	141.2	135.5	-.9	4.8
Grocery Stores	124.6	125.2	120.0	-.5	4.7
Automotive Dealers and Service Stations	99.6	99.5	95.9	.1	3.7
New and Used Car Dealers	44.1	44.0	43.0	.1	1.0
Gasoline Service Stations	35.0	35.1	32.5	-.1	2.5
Apparel and Accessory Stores	48.9	50.2	45.8	-1.4	3.1
Furniture and Homefurnishings Stores	32.4	33.0	31.0	-.6	1.4
Eating and Drinking Places	301.4	300.5	294.9	.9	6.5
Miscellaneous Retail	118.3	119.9	110.7	-1.6	7.6
Drug Stores and Proprietary Stores	31.6	31.8	29.6	-.2	2.1
Nonstore Retailers	23.1	23.3	21.7	-.2	1.4
Finance, Insurance, and Real Estate	254.0	253.6	248.3	.4	5.7
Finance	120.1	120.3	118.2	-.2	1.9
Depository Institutions	90.4	90.9	89.6	-.6	.8
Commercial Banks	63.4	63.9	62.1	-.4	1.3
Insurance	92.3	92.0	90.2	.3	2.1
Insurance Carriers	70.6	70.4	69.4	.2	1.2
Life Insurance	26.0	25.9	25.8	.2	.3
Fire, Marine, and Casualty Insurance	31.3	31.3	30.2	.0	1.0
Real Estate	41.6	41.3	39.9	.3	1.8
Services	1133.2	1122.6	1104.6	10.6	28.6
Hotels and Other Lodging Places	36.2	35.8	36.3	.4	-.1
Personal Services	55.3	54.8	54.5	.5	.8
Business Services	205.1	203.4	194.1	1.7	11.0
Services to Buildings	32.4	31.9	31.1	5	1.3
Personnel Supply Services	68.1	67.5	63.9	.5	4.2
Computer and Data Processing Services	27.0	26.7	24.3	.3	2.7
Amusements, Including Motion Pictures	41.0	40.5	44.0	.5	-3.0
Health Services	389.1	388.4	377.7	.7	11.4
Nursing and Personal Care Facilities	84 4	84.2	81.8	.2	2.6
Hospitals	189.4	189.0	184.8	.4	4.6
Legal Services	29.1	29.1	27.8	.1	1.3
Educational Services	65.4	61.2	68.1	4.2	-2.7
Colleges and Universities	37.2	33.5	40.0	3.7	-2.8
Social Services	73.6	73.2	71.4	.3	2.2
Residential Care	22.6	22.5	21.5	.1	1.1
Membership Organizations	78.7	78.0	76.4	.6	2.3
Engineering and Management Services	85.9	85.1	84.9	.8	1.0
Engineering and Architectural Services	26.1	26.0	25.3	.1	.8
Accounting, Auditing, and Bookkeeping	22.1	21.7	22.0	.4	.1
Research and Testing Services	18.7	18.5	18.4	.1	.2
Management and Public Relations	19.0	18.8	19.1	.2	-.1
Government	726.0	714.2	713.2	11.8	12.7
Federal Government	95.9	96.2	95.3	-.3	.6
U.S. Postal Service	34.0	34.2	34.9	-.2	-.8
State Government	163.7	158.5	160.3	5.2	3.4
State Government Hospitals	16.0	16.0	15.6	.1	.5
State Government Education[i]	87.9	82.7	86.5	5.1	1.3
Local Government	466.3	459.5	457.6	6.8	8.7
Local Government Hospitals	14.8	14.8	14.3	.1	.5
Local Government Education	280.5	274.1	273.8	6.4	6.7

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Goods-Producing Industries	$530.79	$527.07	$535.06	41.5	41.6	42.6	$12.79	$12.67	$12.56
Mining	599.71	643.49	557.63	43.3	45.8	42.6	13.85	14.05	13.09
Coal Mining	751.30	792.14	696.36	44.8	46.9	42.8	16.77	16.89	16.27
Construction	599.78	606.84	559.87	38.3	38.9	37.3	15.66	15.60	15.01
General Building Contractors	552.80	554.6	513.02	40.0	39.9	38.4	13.82	13.90	13.36
Heavy Construction, Except Building	540.06	578.73	588.44	36.1	38.2	37.6	14.96	15.15	15.65
Special Trade Contractors	622.44	628.49	569.95	38.0	38.7	36.7	16.38	16.24	15.53
Manufacturing	517.47	511.98	524.17	41.9	42.0	43.0	12.35	12.19	12.19
Durable Goods[e]	535.10	524.15	546.80	42.2	42.1	43.5	12.68	12.45	12.57
Lumber and Wood Products	310.70	322.62	310.07	38.5	39.2	39.6	8.07	8.23	7.83
Millwork, Plywood and Structural Members	329.20	353.50	334.14	40.0	41.2	40.6	8.23	8.58	8.23
Furniture and Fixtures	386.78	378.22	369.00	41.5	40.8	41.0	9.32	9.27	9.00
Stone, Clay, and Glass Products	477.14	473.59	469.88	42.3	41.8	42.6	11.28	11.33	11.03
Primary Metal Industries	603.35	605.12	619.89	42.7	43.1	44.5	14.13	14.04	13.93
Blast Furnace and Basic Steel Products	619.92	621.79	637.87	43.2	43.3	44.7	14.35	14.36	14.27
Iron and Steel Foundries	630.05	635.25	654.40	42.6	43.6	45.1	14.79	14.57	14.51
Nonferrous Rolling and Drawing	630.34	634.44	640.42	40.2	40.8	42.3	15.68	15.55	15.14
Nonferrous Foundries	449.83	457.10	479.85	42.8	43.7	45.7	10.51	10.46	10.50
Fabricated Metal Products	498.49	489.82	510.00	41.3	41.3	42.5	12.07	11.86	12.00
Fabricated Structural Metal Products	453.33	456.77	436.17	41.4	41.6	40.2	10.95	10.98	10.85
Metal Forgings and Stampings	598.13	583.42	633.28	40.8	40.6	44.1	14.66	14.37	14.36
Industrial Machinery and Equipment	531.36	520.15	543.01	43.2	42.6	44.4	12.30	12.21	12.23
Construction and Related Machinery	471.96	465.50	441.08	41.4	41.6	41.3	11.40	11.19	10.68
Metalworking Machinery	517.10	517.97	536.07	43.6	43.6	45.2	11.86	11.88	11.86
Special Industry Machinery	526.24	522.85	514.30	44.0	43.9	44.8	11.96	11.91	11.48
General Industrial Machinery	562.53	524.39	580.28	42.2	41.0	44.5	13.33	12.79	13.04
Computer and Office Equipment	462.45	459.67	455.51	41.7	41.3	41.0	11.09	11.13	11.11
Refrigeration and Service Machinery	557.98	539.39	622.94	40.2	39.2	43.9	13.88	13.76	14.19
Electronic and Other Electric Equipment	467.46	459.26	462.04	41.7	41.6	41.7	11.21	11.04	11.08
Electrical Industrial Apparatus	447.53	454.03	445.99	42.5	43.2	43.3	10.53	10.51	10.30
Household Appliances	524.94	496.51	491.23	42.3	41.0	40.8	12.41	12.11	12.04
Electric Lighting and Wiring Equipment	471.51	457.56	477.02	40.3	40.6	41.3	11.70	11.27	11.55
Electronic Components and Accessories	341.96	339.08	367.16	41.5	41.1	42.3	8.24	8.25	8.68
Transportation Equipment	677.21	670.64	713.11	43.3	43.1	45.8	15.64	15.56	15.57
Motor Vehicles and Equipment	689.04	690.46	742.43	43.2	43.1	46.2	15.95	16.02	16.07
Aircraft and Parts	682.52	649.88	647.57	45.2	44.0	45.7	15.10	14.77	14.17
Instruments and Related Products	385.43	384.16	372.67	39.9	40.1	39.9	9.66	9.58	9.34
Measuring and Controlling Devices	376.32	378.18	366.66	39.2	39.6	38.8	9.60	9.55	9.45
Nondurable Goods[f]	479.08	485.72	473.47	41.3	41.8	41.9	11.60	11.62	11.30
Food and Kindred Products	452.06	476.57	440.18	40.8	42.1	41.1	11.08	11.32	10.71
Dairy Products	491.99	494.68	460.10	43.5	43.7	42.8	11.31	11.32	10.75
Preserved Fruits and Vegetables	487.90	512.25	483.81	41.0	42.3	41.6	11.90	12.11	11.63
Bakery Products	485.80	484.51	461.38	39.4	39.2	39.2	12.33	12.36	11.77
Apparel and Other Textile Products	297.98	302.10	304.59	38.4	38.0	39.1	7.76	7.95	7.79
Paper and Allied Products	504.02	514.77	491.89	43.6	44.3	43.3	11.56	11.62	11.36
Paperboard Containers and Boxes	434.00	449.71	423.52	42.3	43.2	41.4	10.26	10.41	10.23
Miscellaneous Converted Paper Products	478.82	469.31	442.83	44.5	44.4	43.5	10.76	10.57	10.18
Printing and Publishing	471.22	470.00	451.61	39.9	40.0	39.1	11.81	11.75	11.55
Newspapers	381.14	388.56	371.07	33.2	33.7	33.4	11.48	11.53	11.11
Commercial Printing	483.30	473.93	448.44	41.7	41.5	40.4	11.59	11.42	11.10
Chemicals and Allied Products	589.36	602.43	587.64	42.4	43.0	43.4	13.90	14.01	13.54
Plastics Materials and Synthetics	653.83	672.31	670.64	43.1	43.6	45.1	15.17	15.42	14.87
Rubber and Miscellaneous Plastics Products	443.56	442.21	450.02	41.3	41.6	42.9	10.74	10.63	10.49
Tires and Inner Tubes	717.10	709.20	666.44	45.3	45.0	44.4	15.83	15.76	15.01
Miscellaneous Plastics Products	426.18	421.07	442.21	40.9	41.0	43.1	10.42	10.27	10.26
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	624.38	615.08	561.19	42.2	42.1	40.2	14.81	14.61	13.96
Communications	558.69	561.39	532.73	39.4	39.9	39.2	14.18	14.07	13.59
Electric, Gas, and Sanitary Services	702.98	678.10	593.07	45.5	44.7	41.3	15.45	15.17	14.36
Wholesale Trade	412.11	410.16	398.04	39.1	39.1	39.1	10.54	10.49	10.18
Wholesale Trade-Durable Goods	406.90	403.90	389.26	39.2	39.1	39.2	10.38	10.33	9.93
Motor Vehicles, Parts, and Supplies	359.58	358.12	331.50	39.0	38.8	37.5	9.22	9.23	8.84
Metals and Minerals, Except Petroleum	479.52	474.43	453.90	42.1	41.8	42.7	11.39	11.35	10.63
Wholesale Trade-Nondurable Goods	420.51	421.11	414.57	38.9	39.1	39.0	10.81	10.77	10.63

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

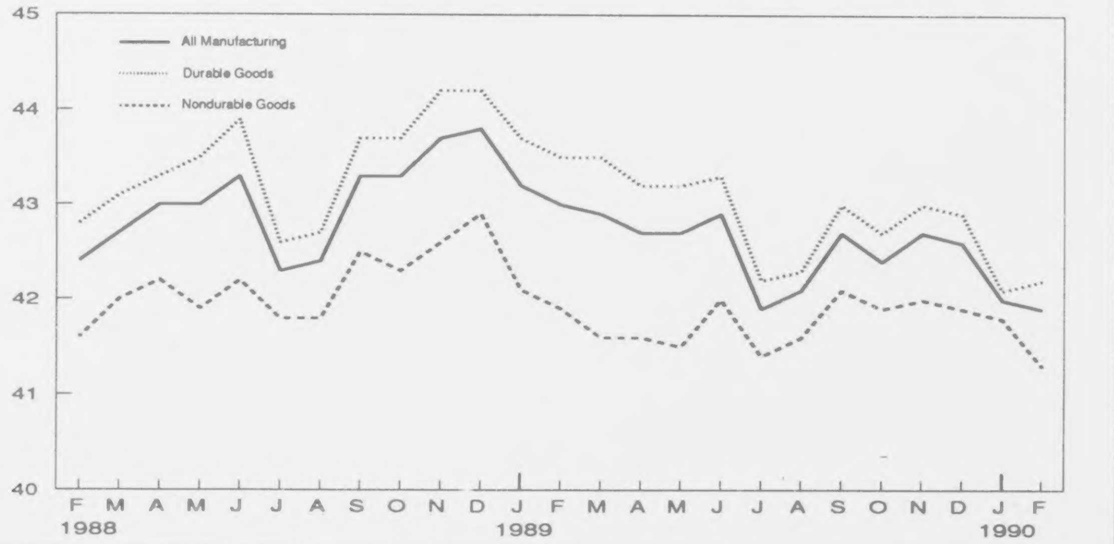
Not Seasonally Adjusted

Ohio (continued)

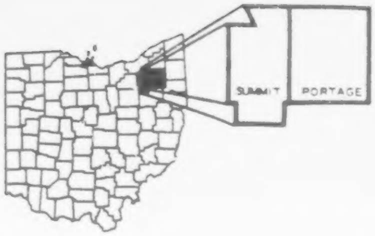
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Retail Trade[h]	$173.53	$173.88	$170.69	27.5	27.6	28.2	$6.31	$6.30	$6.06
General Merchandise Stores	188.16	188.09	177.17	28.0	28.2	27.9	6.72	6.67	6.35
Department Stores	192.77	191.76	184.03	28.1	28.2	28.4	6.86	6.80	6.48
Finance, Insurance, and Real Estate	352.81	347.53	343.53	....	....	....	.....	.....	.....
Finance	326.15	323.09	317.42	....	....	....	.....	.....	.....
Depository Institutions	279.88	278.28	272.03	....	....	....	.....	.....	.....
Commercial Banks	279.51	277.10	273.34	....	....	....	.....	.....	.....
Insurance	416.48	410.14	404.12	....	....	....	.....	.....	.....
Insurance Carriers	401.70	400.39	391.22	....	....	....	.....	.....	.....
Life Insurance	372.41	369.57	361.21	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	433.24	429.15	409.94	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	236.93	232.16	210.49	32.5	32.2	31.7	7.29	7.21	6.64
Health Services	313.23	312.59	293.86	31.8	31.8	31.7	9.85	9.83	9.27
Nursing and Personal Care Facilities	203.76	206.37	189.37	31.3	31.7	31.3	6.51	6.51	6.05
Hospitals	372.28	370.49	346.29	32.8	32.7	32.7	11.35	11.33	10.59
Engineering and Management Services	484.37	477.90	436.69	35.8	35.4	36.3	13.53	13.50	12.03
Engineering and Architectural Services	663.19	665.69	593.06	32.1	32.6	34.5	20.66	20.42	17.19
Research and Testing Services	393.52	380.10	351.73	37.3	36.2	35.6	10.55	10.50	9.88

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



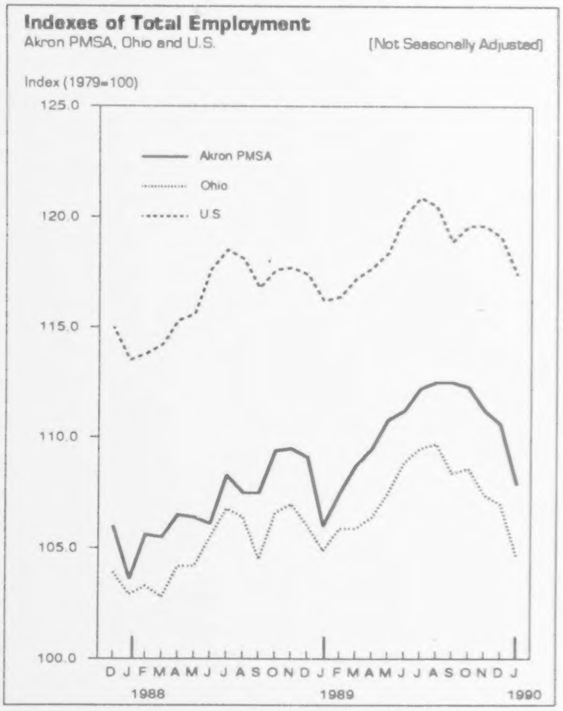
AKRON PRIMARY METROPOLITAN STATISTICAL AREA

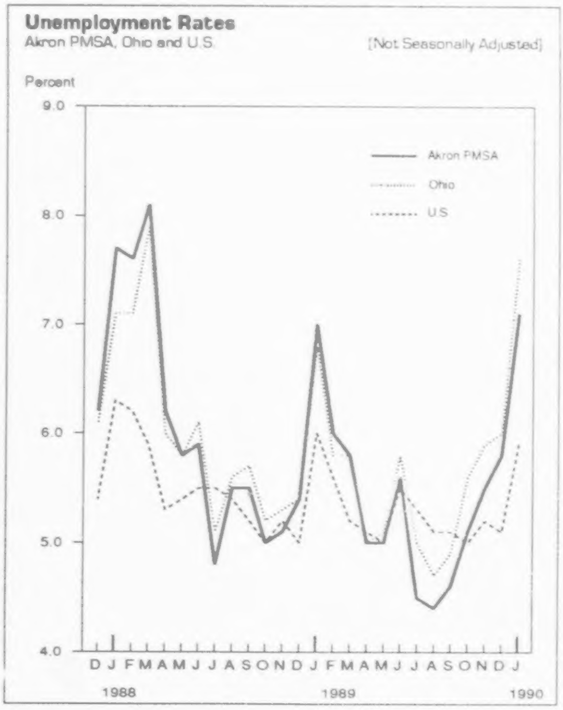


In the Akron metropolitan area, total nonfarm payroll employment rose 3,400 above the January level to 280,600 in February 1990. The partial return of nonteaching personnel in state schools and colleges and a modest increase in services raised employment in service-producing industries 3,300. Goods-producing industries, at 76,300, added 200 workers over the month due to improvement in durable-goods manufacturing, particularly fabricated metal products. Factory production workers averaged $11.63 per hour, up fractionally from January. Their average workweek was 0.3 hours shorter at 42.6 hours.

Nonagricultural wage and salary employment advanced 8,700 between February 1989 and February 1990. Most of the growth occurred in service-producing industries. Leading areas of expansion were services (+3,500) and retail trade (+2,400). Scattered improvements in manufacturing increased employment in goods-producing industries 700 during the period. Gains in rubber and miscellaneous plastics products, especially tires and inner tubes, and in industrial machinery and equipment more than offset a reduction in transportation equipment.

Seasonally adjusted employment in the Akron area increased 1,000 from January to 286,000 in February 1990. Services gained 1,000 while all other divisions were unchanged. Since February 1989, total payroll employment increased 9,000 mainly due to growth in services and retail trade. Wholesale trade, finance, insurance, and real estate, government, and manufacturing added 1,000 jobs each.


Indexes of Total Employment
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
326.2	306.7	19.6	6.0	February	271.9	66.7	39.1	489.60	42.5	11.52
329.5	310.3	19.2	5.8	March	278.8	67.5	39.5	495.62	42.8	11.58
328.8	312.4	16.4	5.0	April	281.2	67.7	39.8	493.85	42.5	11.62
332.8	316.2	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
331.5	307.9	23.6	7.1	January	277.2	67.1	38.1	497.64	42.9	11.60
INA	INA	INA	INA	February	280.6	67.3	38.4	495.44	42.6	11.63

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
277	78	10	67	February	199	13	15	54	10	64	42
282	79	10	68	March	203	13	16	55	10	65	44
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
286	79	10	68	February	207	13	16	56	11	68	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	280.6	277.2	271.9	3.4	8.7
Goods-Producing Industries[g]	76.3	76.1	75.6	.2	.7
Construction	8.4	8.5	8.4	-.1	.0
Manufacturing	67.3	67.1	66.7	.3	.7
Durable Goods[e]	34.5	34.3	34.6	.2	-.1
Fabricated Metal Products	10.9	10.5	10.9	.5	.0
Fabricated Structural Metal Products	4.8	4.8	4.7	.0	.1
Industrial Machinery and Equipment	10.1	10.3	9.9	-.2	.2
Metalworking Machinery	3.9	3.9	3.7	.0	.2
Electronic and Other Electric Equipment	2.5	2.6	2.6	-.1	-.1
Transportation Equipment	4.9	5.0	5.5	.0	-.5
Nondurable Goods[f]	32.8	32.8	32.1	.1	.8
Food and Kindred Products	3.1	3.1	3.0	.0	.0
Chemicals and Allied Products	3.6	3.6	3.6	.0	.0
Rubber and Miscellaneous Plastics Products	20.4	20.3	19.5	.1	.8
Tires and Inner Tubes	11.4	11.4	10.4	.0	1.0
Service-Producing Industries	204.3	201.1	196.4	3.3	8.0
Transportation and Public Utilities	13.2	13.1	12.8	.0	.3
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.6	15.6	15.3	.0	.3
Retail Trade	54.7	55.0	52.3	-.4	2.4
General Merchandise Stores	7.6	8.0	6.2	-.4	1.4
Food Stores	9.0	8.9	8.7	.0	.2
Finance, Insurance, and Real Estate	10.5	10.5	10.1	.0	.4
Finance	5.4	5.4	5.1	.0	.3
Services	65.8	65.3	62.3	.5	3.5
Business Services	11.5	11.3	10.3	.2	1.1
Personnel Supply Services	3.0	2.9	2.7	.1	.3
Amusements, Including Motion Pictures	5.0	5.0	3.9	.1	1.1
Health Services	21.7	21.7	21.0	.0	.7
Nursing and Personal Care Facilities	3.8	3.8	3.6	.0	.2
Hospitals	10.9	10.9	10.7	.0	.2
Social Services	4.6	4.5	4.6	0	.0
Engineering and Management Services	5.0	5.0	4.8	.0	.1
Government	44.6	41.5	43.5	3.1	1.1
Federal Government	2.4	2.4	2.4	.1	0
State Government	15.7	13.0	14.9	2.6	.8
State Government Education[i]	12.8	10.2	12.0	2.6	.9
Local Government	26.5	26.1	26.2	.4	.3
Local Government Education	14.9	14.5	14.7	.4	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

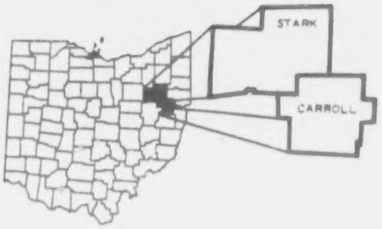
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$495.44	$497.64	$489.60	42.6	42.9	42.5	$11.63	$11.60	$11.52
Durable Goods[e]	502.47	498.50	506.97	42.8	42.9	43.0	11.74	11.62	11.79
Fabricated Metal Products	568.92	570.34	619.48	40.9	41.6	42.9	13.91	13.71	14.44
Fabricated Structural Metal Products	505.74	506.48	432.04	43.3	43.4	39.6	11.68	11.67	10.91
Industrial Machinery and Equipment	486.45	488.51	470.14	45.0	44.9	45.6	10.81	10.88	10.31
Metalworking Machinery	524.99	508.72	519.83	46.5	45.3	47.3	11.29	11.23	10.99
Electronic and Other Electric Equipment	413.09	393.09	390.17	41.6	40.4	40.1	9.93	9.73	9.73
Transportation Equipment	653.40	633.64	645.32	44.0	43.4	44.2	14.85	14.60	14.60
Nondurable Goods[f]	487.48	496.35	468.72	42.5	42.9	42.0	11.47	11.57	11.16
Food and Kindred Products	373.97	372.23	416.07	39.7	39.1	40.2	9.42	9.52	10.35
Chemicals and Allied Products	523.74	523.93	497.59	43.5	43.3	41.5	12.04	12.10	11.99
Rubber and Miscellaneous Plastics Products	492.05	510.34	470.61	43.2	44.3	42.9	11.39	11.52	10.97
Tires and Inner Tubes	803.52	796.10	757.56	48.0	47.9	47.2	16.74	16.62	16.05
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	592.11	591.95	574.90	40.5	40.6	40.6	14.62	14.58	14.16
Wholesale Trade	353.50	358.06	338.37	36.9	36.8	36.7	9.58	9.73	9.22
Retail Trade[h]	210.91	209.68	210.60	30.7	30.7	32.3	6.87	6.83	6.52
General Merchandise Stores	204.33	199.47	213.86	31.1	30.5	32.6	6.57	6.54	6.56
Food Stores	310.81	309.52	325.37	35.4	35.7	38.1	8.78	8.67	8.54
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	289.33	285.47	275.76	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products, leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

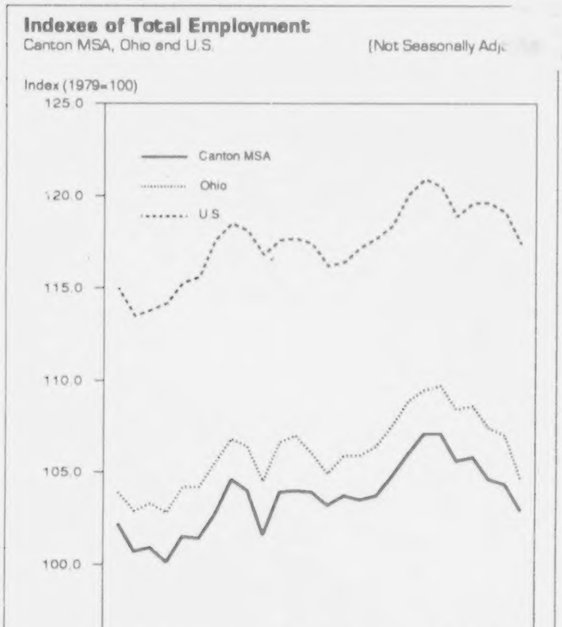
CANTON
METROPOLITAN STATISTICAL AREA

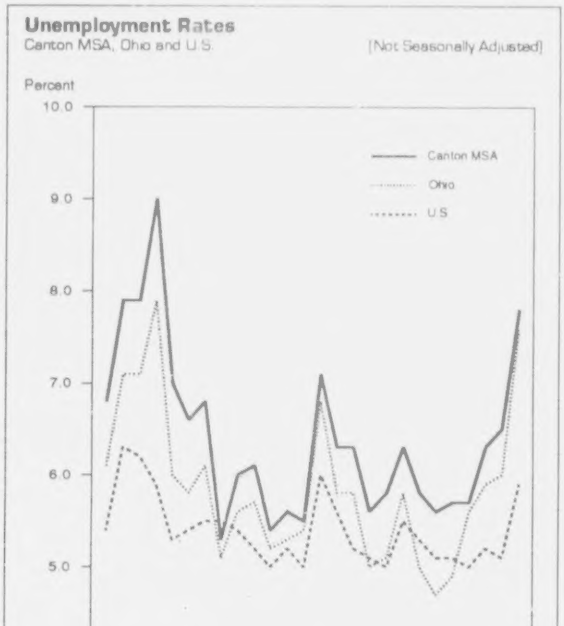


Nonagricultural payroll employment in the Canton metropolitan area totaled 162,800 in February 1990, down 200 from the January level. Less business in construction lowered employment in goods-producing industries 200 to 52,200. Improvement in durable-goods manufacturing, especially primary metal industries, offset a decline in nondurable-goods manufacturing. Employment in service-producing industries decreased 100 from last month. A continued reduction of seasonal workers in retail trade overshadowed a modest gain in services. Manufacturing production workers averaged $11.25 per hour, little changed from January. Their average workweek of 41.9 hours was 0.4 hours shorter.

Total nonfarm wage and salary employment advanced 2,000 between February 1989 and February 1990. The growth was concentrated in service-producing industries. Moderate improvements occurred in retail trade (+1,400) and services (+1,200). Employment in goods-producing industries decreased 600 primarily due to reductions in manufacturing. Noteworthy declines were recorded in primary metal industries, fabricated metal products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Canton area rose 1,000 above the January level to 167,000 in February 1990. All major divisions were virtually unchanged from last month. Since February 1989, total payroll employment increased 2,000. Growth in retail trade and services overshadowed declines in wholesale trade and manufacturing.


Indexes of Total Employment
Canton MSA, Ohio and U.S. [Not Seasonally Adj


Unemployment Rates
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]

Canton MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
192.3	180.1	12.2	6.3	February	160.8	46.1	33.1	463.94	42.1	11.02
191.8	179.7	12.1	6.3	March	162.2	46.2	33.1	464.67	41.9	11.09
190.9	180.1	10.8	5.6	April	163.0	46.0	33.1	469.56	42.0	11.18
193.3	182.0	11.2	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.8	178.7	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
INA	INA	INA	INA	February	162.8	45.5	31.9	471.38	41.9	11.25

INA – information not available
*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
165	55	8	47	February	110	6	9	32	7	37	19
165	55	7	47	March	110	6	9	33	7	38	19
164	54	7	46	April	110	6	8	32	7	38	19
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	162.8	163.1	160.8	-.2	2.0
Goods-Producing Industries[g]	52.2	52.3	52.8	-.2	-.6
Construction	5.9	6.1	6.0	-.2	-.1
Manufacturing	45.5	45.5	46.1	.0	-.6
Durable Goods[e]	33.8	33.7	34.3	.2	-.5
Primary Metal Industries	11.4	11.2	11.8	.2	-.4
Fabricated Metal Products	6.1	6.2	6.5	.0	-.4
Electronic and Other Electric Equipment	4.2	4.1	4.2	.0	-.1
Nondurable Goods[f]	11.7	11.8	11.7	-.1	-.1
Food and Kindred Products	3.3	3.4	3.2	-.1	.1
Rubber and Miscellaneous Plastics Products	3.0	2.9	3.2	.0	-.3
Service-Producing Industries	110.7	110.7	108.0	-.1	2.6
Transportation and Public Utilities	5.4	5.5	5.6	.0	-.2
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.3	8.4	8.4	-.1	-.2
Retail Trade	32.4	32.9	31.0	-.5	1.4
General Merchandise Stores	4.0	4.2	3.6	-.2	.4
Food Stores	5.5	5.6	5.4	-.1	.1
Finance, Insurance, and Real Estate	6.7	6.7	6.7	.0	.0
Finance	3.9	3.9	3.8	.0	.1
Services	38.0	37.7	36.8	.4	1.2
Health Services	15.7	15.7	15.2	.0	.4
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.3	7.3	7.1	.0	.2
Government	19.8	19.6	19.4	.2	.4
Federal Government	1.4	1.4	1.4	.0	.0
State Government (Includes Education)	1.7	1.6	1.7	.1	.0
Local Government	16.7	16.6	16.3	.2	.4
Local Government Education	10.2	10.1	9.9	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

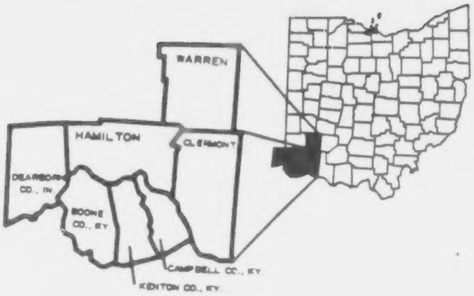
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$471.38	$475.45	$463.94	41.9	42.3	42.1	$11.25	$11.24	$11.02
Durable Goods[e]	493.00	504.74	490.63	42.5	43.4	43.0	11.60	11.63	11.41
Primary Metal Industries	507.20	542.27	522.77	43.8	45.8	46.1	11.58	11.84	11.34
Fabricated Metal Products	483.57	491.97	480.76	40.5	41.1	40.4	11.94	11.97	11.90
Electronic and Other Electric Equipment	563.99	561.56	511.24	41.5	41.2	39.6	13.59	13.63	12.91
Nondurable Goods[f]	405.01	386.67	379.46	40.1	38.9	39.2	10.10	9.94	9.68
Food and Kindred Products	429.86	390.57	369.41	40.4	37.7	38.4	10.64	10.36	9.62
Rubber and Miscellaneous Plastics Products	400.46	395.09	406.69	41.2	40.9	42.1	9.72	9.66	9.66
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	573.20	572.80	554.61	40.0	40.0	39.7	14.33	14.32	13.97
Wholesale Trade	383.85	371.48	380.83	38.5	38.1	37.3	9.97	9.75	10.21
Retail Trade[h]	171.82	169.96	162.73	28.4	28.0	28.6	6.05	6.07	5.69
General Merchandise Stores	196.14	189.08	194.66	29.9	29.0	30.8	6.56	6.52	6.32
Food Stores	168.60	160.29	152.05	28.1	27.4	27.2	6.00	5.85	5.59
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	183.89	184.80	168.13	29.9	30.0	29.6	6.15	6.16	5.68

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

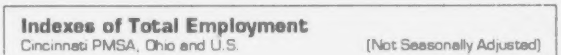
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



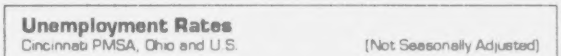
Total nonfarm payroll employment in the Cincinnati metropolitan area rose 1,900 above the January level to 728,100 in February 1990. The number of employees in service-producing industries increased 2,600. Improvements in local and federal government and in services overshadowed a continued reduction of seasonal workers in retail trade. Employment in goods-producing industries declined 700 to 180,400. Seasonal decreases in construction negated a nominal gain in manufacturing. Factory production workers averaged $11.72 per hour, down fractionally from January. Their average workweek of 42.6 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment advanced 23,600 between February 1989 and February 1990. Service-producing industries increased 18,200. Leading areas of expansion were retail trade (+7,900) and services (+4,900). Noteworthy improvements also occurred in transportation and public utilities and in wholesale trade. Goods-producing industries added 5,400 jobs during the period with moderate growth in manufacturing, particularly transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 744,000 in February 1990, up 3,000 from January. Modest gains were recorded in manufacturing, wholesale trade, retail trade, and services. Since February 1989, total payroll employment rose 24,000. Primary growth sectors were retail trade, services, and manufacturing.



Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]



Unemployment Rates
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
766.4	731.9	34.6	4.5	February	704.5	144.2	91.1	495.92	42.9	11.56
765.9	731.1	34.8	4.5	March	713.1	144.8	91.4	490.14	42.4	11.56
766.4	735.6	30.8	4.0	April	717.9	144.8	91.3	494.04	42.7	11.57
774.2	740.5	33.8	4.4	May	722.9	144.7	91.3	487.90	42.5	11.48
788.4	749.3	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
793.0	759.4	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.3	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.8	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
778.2	738.8	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
INA	INA	INA	INA	February	728.1	149.1	93.9	499.27	42.6	11.72

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
720	181	35	146	February	539	39	47	140	42	181	90
724	182	35	146	March	542	39	47	141	43	183	90
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	186	35	151	February	558	41	49	148	43	186	91

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	728.1	726.3	704.5	1.9	23.6
Goods-Producing Industries[g]	180.4	181.1	175.0	-.7	5.4
Construction	30.9	31.8	30.4	-.9	.4
Manufacturing	149.1	148.9	144.2	.2	5.0
Durable Goods[e]	80.7	80.6	77.9	.1	2.8
Fabricated Metal Products	12.2	12.4	12.1	-.1	.2
Fabricated Structural Metal Products	4.5	4.6	4.3	-.1	.2
Industrial Machinery and Equipment	19.6	19.5	19.2	.1	.4
Electronic and Other Electric Equipment	7.9	8.0	7.7	.0	.2
Transportation Equipment	24.8	24.8	23.4	.0	1.3
Motor Vehicles and Equipment	5.0	5.0	5.0	.0	.0
Instruments and Related Products	3.7	3.7	3.5	.0	.3
Nondurable Goods[f]	68.5	68.3	66.3	.1	2.1
Food and Kindred Products	12.6	12.5	11.7	.1	.9
Beverages	2.8	2.8	2.9	.0	-.1
Apparel and Other Textile Products	3.7	3.7	3.5	.1	.2
Paper and Allied Products	6.0	6.0	5.7	.0	.2
Printing and Publishing	14.6	14.6	14.0	.0	.6
Commercial Printing	6.3	6.4	6.1	.0	.3
Chemicals and Allied Products	22.3	22.3	22.5	.0	-.2
Rubber and Miscellaneous Plastics Products	6.6	6.6	6.5	.0	.1
Service-Producing Industries	547.7	545.1	529.5	2.6	18.2
Transportation and Public Utilities	39.9	39.8	37.9	.2	2.1
Transportation	23.7	23.5	22.1	.1	1.5
Trucking and Warehousing	10.7	10.6	9.9	.1	.8
Transportation by Air	6.3	6.2	5.8	.1	.5
Communications, Electric, Gas Services	16.3	16.3	15.7	.0	.5
Communications	9.8	9.8	9.7	.0	.0
Wholesale Trade	48.5	48.4	46.9	.1	1.6
Wholesale Trade-Durable Goods	28.8	28.8	28.3	.0	.5
Retail Trade	143.1	144.4	135.3	-1.3	7.9
General Merchandise Stores	21.7	22.4	19.8	-.7	1.9
Finance, Insurance, and Real Estate	42.5	42.5	41.9	.0	.6
Finance	17.3	17.3	17.1	-.1	.2
Depository Institutions	13.6	13.7	13.4	-.1	.2
Commercial Banks	9.4	9.5	9.3	-.1	.1
Insurance	17.1	17.1	17.0	.0	.1
Insurance Carriers	14.3	14.3	14.5	.0	-.2
Life Insurance	6.9	6.9	7.0	.0	-.1
Fire, Marine, and Casualty Insurance	5.1	5.1	5.0	.0	.1
Services	180.7	179.0	175.8	1.7	4.9
Hotels and Other Lodging Places	7.1	7.0	6.8	.1	.3
Personal Services	8.8	8.7	8.5	.1	.4
Business Services	36.0	35.6	35.8	.5	.2
Services to Buildings	6.0	5.7	5.9	.3	.1
Computer and Data Processing Services	4.7	4.6	4.3	.1	.3
Amusements, Including Motion Pictures	8.5	8.6	8.1	.0	.4
Health Services	56.9	56.6	55.1	.3	1.7
Nursing and Personal Care Facilities	11.0	11.0	10.6	.0	.4
Hospitals	27.4	27.2	26.8	.2	.6
Legal Services	4.4	4.4	4.1	.0	.3
Educational Services	7.2	6.8	7.3	.3	-.1
Social Services	12.2	12.1	11.7	.1	.4
Residential Care	4.7	4.7	4.5	.0	.2
Engineering and Management Services	16.3	16.0	16.0	.2	.2
Engineering and Architectural Services	5.6	5.6	5.5	.0	.1
Government	93.0	91.0	91.8	2.0	1.2
Federal Government	17.0	16.2	17.1	.7	-.1
State Government	21.6	21.2	20.8	.3	.8
State Government Education[i]	13.5	13.2	13.0	.3	.5
Local Government	54.5	53.6	53.9	.9	.6
Local Government Education	31.5	30.6	31.3	.8	.2

Cincinnati PMSA

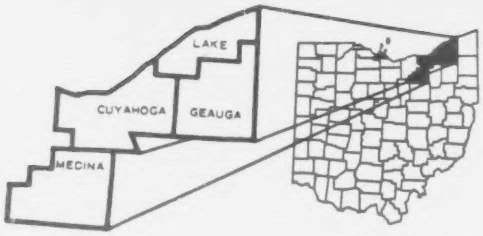
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$499.27	$502.04	$495.92	42.6	42.8	42.9	$11.72	$11.73	$11.56
Durable Goods[e]	489.77	488.35	496.37	42.7	42.8	43.2	11.47	11.41	11.49
Fabricated Metal Products	418.06	413.40	426.96	42.4	42.4	41.9	9.86	9.75	10.19
Fabricated Structural Metal Products	453.78	444.79	458.96	43.3	43.1	41.8	10.48	10.32	10.98
Industrial Machinery and Equipment	477.17	466.47	455.61	43.3	42.6	42.7	11.02	10.95	10.67
Electronic and Other Electric Equipment	367.03	386.14	350.46	40.2	41.7	39.6	9.13	9.26	8.85
Transportation Equipment	729.18	725.40	786.14	44.9	45.0	48.2	16.24	16.12	16.31
Motor Vehicles and Equipment	742.57	792.90	884.49	43.4	45.7	50.6	17.11	17.35	17.48
Instruments and Related Products	349.02	359.89	335.58	41.6	43.1	42.0	8.39	8.35	7.99
Nondurable Goods[f]	509.15	515.74	495.44	42.5	42.8	42.6	11.98	12.05	11.63
Food and Kindred Products	507.72	515.22	469.17	43.1	43.7	41.3	11.78	11.79	11.36
Beverages	571.10	573.73	499.49	43.2	43.3	39.8	13.22	13.25	12.55
Apparel and Other Textile Products	247.04	254.02	235.01	38.6	39.2	39.3	6.40	6.48	5.98
Paper and Allied Products	460.40	461.74	451.99	42.2	42.4	42.6	10.91	10.89	10.61
Printing and Publishing	532.44	498.00	463.96	43.5	41.5	40.1	12.24	12.00	11.57
Commercial Printing	568.87	510.51	505.18	46.1	42.9	43.4	12.34	11.90	11.64
Chemicals and Allied Products	602.93	647.35	614.94	42.4	44.4	44.4	14.22	14.58	13.85
Rubber and Miscellaneous Plastics Products	432.43	407.40	433.62	43.2	42.0	45.5	10.01	9.70	9.53
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	572.75	580.55	567.00	39.5	39.9	40.5	14.50	14.55	14.00
Communications	579.61	577.28	567.38	38.9	38.9	39.9	14.90	14.84	14.22
Wholesale Trade	437.34	434.58	415.74	39.4	39.4	39.0	11.10	11.03	10.66
Retail Trade[h]	170.78	168.30	167.31	27.5	27.5	28.6	6.21	6.12	5.85
General Merchandise Stores	210.87	209.10	195.79	29.7	30.0	29.8	7.10	6.97	6.57
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	301.82	303.43	270.12	....	....	....	.....	.....	.....
Commercial Banks	273.51	273.04	259.58	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	408.33	407.47	398.82	....	....	....	.....	.....	.....
Life Insurance	418.78	418.13	409.20	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	420.12	418.44	390.47	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	425.43	430.01	376.03	32.5	32.7	32.5	13.09	13.15	11.57
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	649.54	641.84	577.82	40.8	40.7	41.6	15.92	15.77	13.89

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

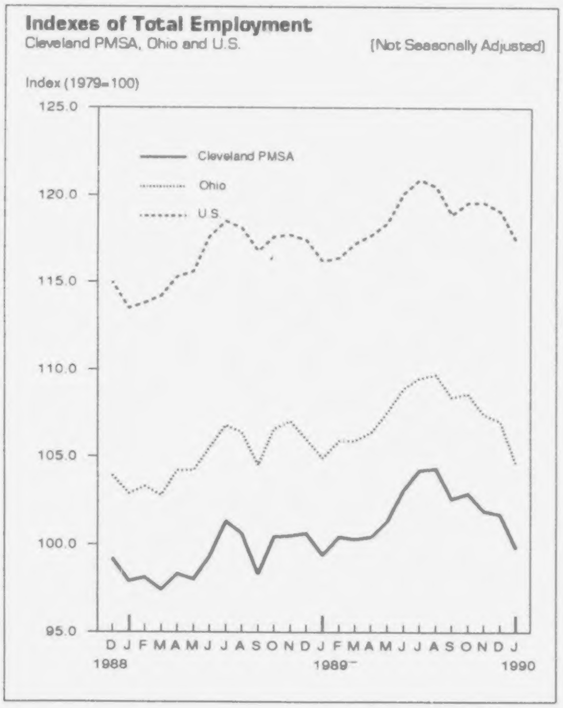
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

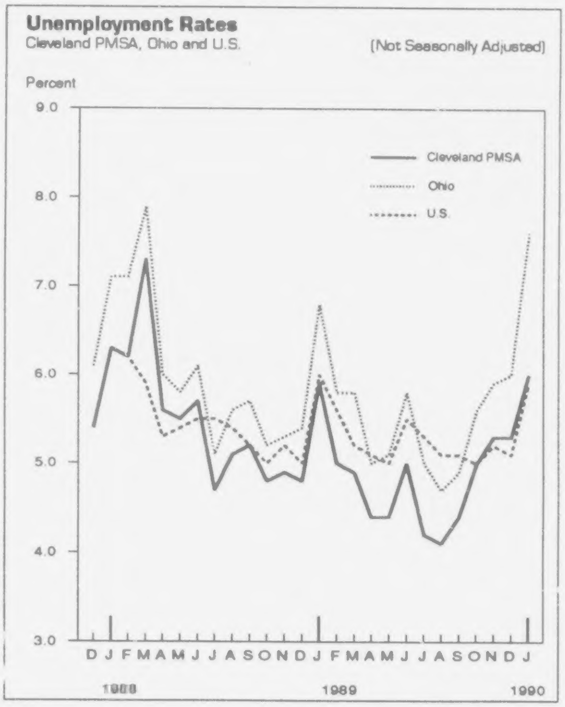


Nonfarm wage and salary employment in the Cleveland metropolitan area totaled 928,100 in February 1990, up 1,700 from the January level. Service-producing industries added 1,400 jobs. The return of nonteaching personnel in local schools and more business in services overshadowed seasonal layoffs in retail trade. Employment in goods-producing industries increased 300 to 235,700. The recall of workers in durable-goods manufacturing, especially metal forgings and stampings and motor vehicles and equipment, more than offset a decline in construction. Factory production workers averaged $11.86 per hour, up 15 cents from January. Their average workweek of 42.1 hours was 0.2 hours shorter.

Nonagricultural payroll employment advanced 16,700 between February 1989 and February 1990. A major portion of the improvement occurred in service-producing industries. Leading growth sectors were services, retail trade, local government, and wholesale trade. Goods-producing industries gained 1,600 workers during the period. Moderate expansion in construction, especially special trade contractors, and in nondurable-goods manufacturing more than offset a decline in durable-goods manufacturing.

Seasonally adjusted employment in the Cleveland area increased 3,000 from the January level to 948,000 in February 1990. Modest gains occurred in construction, manufacturing, wholesale trade, and retail trade. Since February 1989, total payroll employment advanced 17,000. The improvement was concentrated in service-producing industries, especially services and retail trade.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.40	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.8	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
939.5	892.9	46.7	5.0	February	911.5	206.1	133.4	513.42	43.4	11.83
937.8	891.4	46.4	4.9	March	920.7	206.9	134.0	517.85	43.7	11.85
933.2	892.6	40.6	4.4	April	922.0	206.0	133.3	517.53	43.6	11.87
942.6	900.7	41.9	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
944.3	887.3	57.0	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
INA	INA	INA	INA	February	928.1	206.6	132.2	499.31	42.1	11.86

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
931	240	32	208	February	690	41	66	159	57	250	118
936	241	33	208	March	694	42	66	159	57	252	119
928	240	33	207	April	688	42	66	158	57	250	116
931	240	33	207	May	691	42	66	158	57	250	118
933	241	33	207	June	693	42	66	158	57	251	118
934	239	33	206	July	694	42	66	159	57	253	117
935	240	33	207	August	694	42	67	160	57	253	116
939	240	33	207	September	698	42	67	160	57	253	119
940	240	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
948	242	34	208	February	706	43	68	162	58	255	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	928.1	926.5	911.5	1.7	16.7
Goods-Producing Industries[g]	235.7	235.5	234.1	.3	1.6
Construction	28.3	29.0	27.1	-.7	1.1
Special Trade Contractors	19.6	20.1	18.3	-.5	1.4
Manufacturing	206.6	205.6	206.1	1.0	.5
Durable Goods[e]	141.4	140.3	141.9	1.1	-.5
Stone, Clay, and Glass Products	3.5	3.5	3.4	.0	.0
Primary Metal Industries	20.7	21.2	21.1	-.4	-.4
Iron and Steel Foundries	4.5	4.6	4.6	-.1	-.2
Fabricated Metal Products	34.6	33.4	34.6	1.2	-.1
Screw Machine Products, Bolts, etc	5.0	5.1	5.1	-.1	-.1
Metal Forgings and Stampings	11.1	10.1	11.5	1.1	-.3
Industrial Machinery and Equipment	33.4	33.5	33.5	-.2	-.2
Metalworking Machinery	12.8	12.8	12.9	.0	-.1
Electronic and Other Electric Equipment	15.2	15.4	15.5	.2	-.3
Electrical Industrial Apparatus	4.4	4.5	4.3	-.1	.1
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	.0	.0
Transportation Equipment	19.5	18.7	19.3	.8	.1
Motor Vehicles and Equipment	12.3	11.6	12.1	.8	.2
Instruments and Related Products	7.0	7.1	6.9	-.1	.1
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.2
Nondurable Goods[f]	65.2	65.3	64.2	-.1	1.0
Food and Kindred Products	6.6	6.6	6.6	.0	.0
Apparel and Other Textile Products	3.3	3.3	3.4	.0	-.1
Paper and Allied Products	5.9	5.9	6.0	.0	-.1
Printing and Publishing	16.9	16.9	16.4	.0	.6
Chemicals and Allied Products	14.7	14.7	14.4	.0	.3
Rubber and Miscellaneous Plastics Products	11.9	12.1	11.9	-.2	-.1
Miscellaneous Plastics Products	7.4	7.6	7.2	-.2	.3
Service-Producing Industries	692.4	691.0	677.4	1.4	15.1
Transportation and Public Utilities	41.6	41.8	40.1	-.3	1.4
Transportation	24.2	24.4	22.8	-.2	1.4
Trucking and Warehousing	11.2	11.2	11.0	.0	.2
Transportation by Air	5.4	5.4	4.8	.1	.6
Communications, Electric, Gas Services	17.4	17.4	17.3	-.1	.0
Communications	10.2	10.2	10.3	.0	-.1
Electric, Gas, and Sanitary Services	7.2	7.2	7.1	.0	.1
Wholesale Trade	67.0	66.9	64.9	.0	2.0
Wholesale Trade-Durable Goods	45.6	45.6	44.2	.0	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.1	.0	-.1
Professional and Commercial Equipment	9.0	9.0	8.9	.0	.2
Retail Trade	157.1	158.5	153.8	-1.5	3.2
General Merchandise Stores	20.9	21.5	20.7	-.6	.1
Finance, Insurance, and Real Estate	57.0	56.9	56.3	.1	.8
Finance	27.9	27.9	27.7	.0	.2
Depository Institutions	20.5	20.6	20.5	-.1	.0
Commercial Banks	13.0	13.0	12.6	-.1	.4
Insurance	18.4	18.3	18.2	.2	.3
Insurance Carriers	14.0	13.9	13.7	.1	.3
Fire, Marine, and Casualty Insurance	6.3	6.3	6.3	.0	.1
Services	249.7	248.1	244.8	1.6	4.9
Business Services	51.7	51.8	50.1	.0	1.7
Personnel Supply Services	19.4	19.6	19.3	-.2	.2
Computer and Data Processing Services	6.7	6.6	6.0	.1	.7
Amusements, Including Motion Pictures	8.6	8.7	9.3	-.1	-.7
Health Services	78.9	78.7	77.5	.1	1.4
Nursing and Personal Care Facilities	13.4	13.3	13.1	.1	.4
Hospitals	43.6	43.6	43.4	.0	.2
Legal Services	9.6	9.5	9.1	.1	.5
Educational Services	18.4	17.6	19.2	.8	-.8
Social Services	13.7	13.7	13.1	.1	.6
Residential Care	3.6	3.6	3.4	.1	.3
Engineering and Management Services	21.2	21.0	20.8	.2	.4
Engineering and Architectural Services	7.7	7.6	7.4	.1	.4
Accounting, Auditing, and Bookkeeping	6.5	6.4	6.7	.1	-.2
Management and Public Relations	4.5	4.4	4.2	.0	.2
Government	120.1	118.7	117.4	1.4	2.7
Federal government	20.2	20.5	20.6	-.3	-.4
State government	7.8	7.7	8.2	.2	-.4
State government education[i]	2.9	2.7	3.3	.2	-.4
Local government	92.0	90.5	88.6	1.5	3.4
Local government education	48.1	46.9	46.1	1.2	2.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

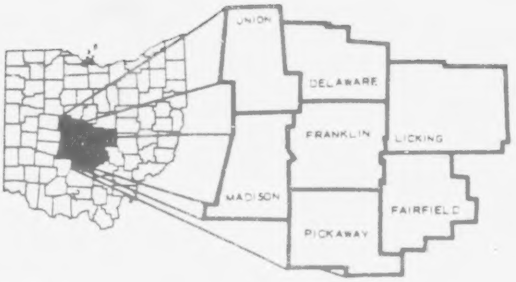
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$499.31	$495.33	$513.42	42.1	42.3	43.4	$11.86	$11.71	$11.83
Durable Goods[e]	524.88	519.66	545.33	42.5	42.7	44.3	12.35	12.17	12.31
Stone, Clay, and Glass Products	500.02	490.05	479.36	42.7	41.6	42.8	11.71	11.78	11.20
Primary Metal Industries	515.31	519.06	527.46	42.8	43.4	44.7	12.04	11.96	11.80
Iron and Steel Foundries	768.25	766.39	862.78	43.8	44.3	48.8	17.54	17.30	17.68
Fabricated Metal Products	526.64	521.37	548.87	42.3	42.7	43.7	12.45	12.21	12.56
Screw Machine Products, Bolts, etc.	491.23	512.46	569.75	41.7	43.1	45.8	11.78	11.89	12.44
Metal Forgings and Stampings	667.07	646.66	702.03	43.8	43.4	46.4	15.23	14.90	15.13
Industrial Machinery and Equipment	506.86	512.43	561.66	43.1	43.5	46.0	11.76	11.78	12.21
Metalworking Machinery	512.16	512.90	560.56	43.7	43.8	45.5	11.72	11.71	12.32
Electronic and Other Electric Equipment	424.95	427.44	429.77	40.9	41.1	42.3	10.39	10.40	10.16
Electrical Industrial Apparatus	435.97	437.86	444.21	41.6	41.9	44.2	10.48	10.45	10.05
Electric Lighting and Wiring Equipment	376.35	385.07	383.94	37.9	38.7	39.5	9.93	9.95	9.72
Transportation Equipment	703.95	663.60	725.04	43.4	42.0	45.4	16.22	15.80	15.97
Motor Vehicles and Equipment	758.47	721.76	802.96	42.9	41.6	46.2	17.68	17.35	17.38
Instruments and Related Products	449.86	439.93	382.45	41.5	41.0	40.3	10.84	10.73	9.49
Measuring and Controlling Devices	462.09	465.30	445.84	42.2	42.3	42.1	10.95	11.00	10.59
Nondurable Goods[f]	433.54	436.54	434.48	40.9	41.3	41.3	10.60	10.57	10.52
Food and Kindred Products	443.11	477.41	435.59	40.1	42.1	40.9	11.05	11.34	10.65
Apparel and Other Textile Products	367.30	373.80	368.32	38.3	39.1	39.1	9.59	9.56	9.42
Paper and Allied Products	518.25	507.30	496.40	44.6	44.5	42.5	11.62	11.40	11.68
Printing and Publishing	374.87	375.12	369.98	37.6	37.7	37.6	9.97	9.95	9.84
Chemicals and Allied Products	545.70	547.78	546.48	42.8	43.2	44.0	12.75	12.68	12.42
Rubber and Miscellaneous Plastics Products	372.32	374.59	384.77	41.6	41.9	42.8	8.95	8.94	8.99
Miscellaneous Plastics Products	388.20	385.10	398.30	42.8	42.6	43.2	9.07	9.04	9.22
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	467.17	464.75	447.54	34.2	33.8	33.2	13.66	13.75	13.48
Communications, Electric, Gas Services	626.28	621.84	585.71	40.8	41.1	40.2	15.35	15.13	14.57
Wholesale Trade	458.60	454.70	455.63	39.5	39.3	40.5	11.61	11.57	11.25
Retail Trade[h]	185.76	182.65	181.31	27.0	26.9	26.9	6.88	6.79	6.74
General Merchandise Stores	189.75	188.10	181.44	27.7	27.5	27.0	6.85	6.84	6.72
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	322.01	323.69	322.41	....	....	....	.....	.....	.....
Depository Institutions	295.88	295.25	297.26	....	....	....	.....	.....	.....
Commercial Banks	291.67	288.14	304.73	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	334.44	324.68	314.63	31.7	31.1	31.4	10.55	10.44	10.02
Nursing and Personal Care Facilities	228.25	226.94	210.58	32.7	32.7	32.1	6.98	6.94	6.56
Hospitals	373.10	358.15	344.41	31.3	30.3	31.0	11.92	11.82	11.11

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; petroleum and ccal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

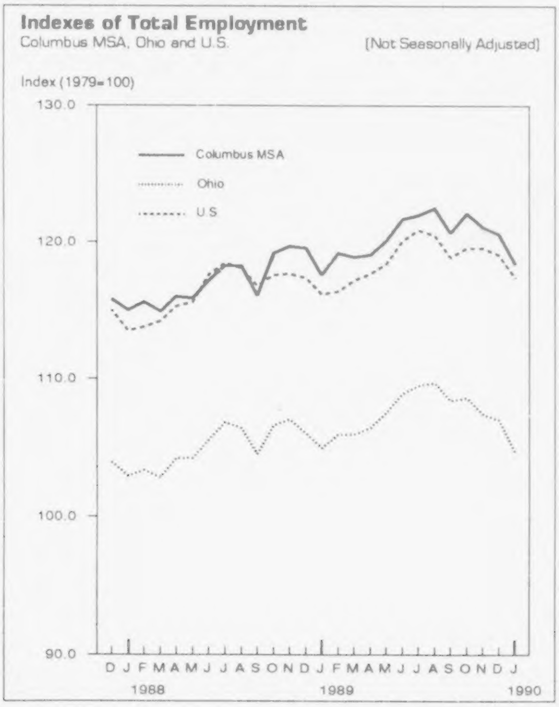
COLUMBUS
METROPOLITAN STATISTICAL AREA

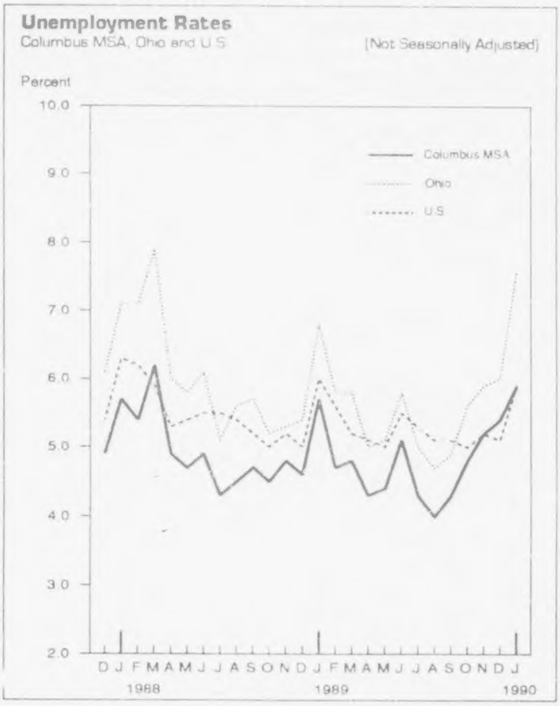


Nonagricultural payroll employment in the Columbus metropolitan area rose 3,100 above the January level to 702,000 in February 1990. Service-producing industries added 2,700 jobs as seasonal increases in services and state and local schools and colleges overshadowed continued reductions in retail trade. Employment in goods-producing industries totaled 131,000, up 400 over the month. The recall of workers in durable-goods manufacturing, particularly fabricated metal products, more than offset declines in construction and in nondurable-goods manufacturing. Factory production workers averaged $12.36 per hour, 9 cents higher than January. Their average workweek was slightly longer at 42.2 hours.

Nonfarm wage and salary employment advanced 14,900 between February 1989 and February 1990. Service-producing industries gained 14,600 workers. Leading growth sectors were services, especially business and health services, and retail trade. Noteworthy increases also occurred in state government, finance, insurance, and real estate, and wholesale trade. Although construction employment declined, improvement in manufacturing raised goods-producing employment 300 during the period. Modest growth in transportation equipment outweighed reductions in industrial machinery and equipment and electronic and other electric equipment.

Seasonally adjusted employment in the Columbus area increased 2,000 from the January level to 712,000 in February 1990 due to gains in manufacturing and services. Since February 1989, total payroll employment rose 15,000. Primary areas of expansion were services and retail trade.


Indexes of Total Employment
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
722.9	688.6	34.3	4.7	February	687.1	103.8	68.2	490.95	41.5	11.83
721.0	686.5	34.5	4.8	March	692.8	104.0	68.5	493.79	41.6	11.87
718.8	687.8	30.9	4.3	April	695.7	103.7	68.3	492.25	41.4	11.89
725.7	693.6	32.1	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.53	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
726.7	683.8	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
INA	INA	INA	INA	February	702.0	104.4	69.7	521.59	42.2	12.36

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
697	135	30	105	February	562	31	37	142	60	169	124
701	136	31	105	March	565	31	37	143	60	169	124
697	135	29	104	April	563	31	37	142	59	169	124
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	38	147	61	175	126

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	702.0	698.9	687.1	3.1	14.9
Goods-Producing Industries[g]	131.0	130.6	130.7	.4	.3
Construction	25.8	26.1	26.1	-.3	-.3
Manufacturing	104.4	103.6	103.8	.8	.6
Durable Goods[e]	65.7	64.7	65.4	1.0	.3
Stone, Clay, and Glass Products	9.8	9.8	9.8	.0	.0
Glass and Glassware, Pressed or Blown	3.6	3.5	3.4	.1	.2
Fabricated Metal Products	10.0	9.1	9.9	.8	.1
Industrial Machinery and Equipment	9.5	9.6	9.8	.0	-.3
Electronic and Other Electric Equipment	8.9	9.0	9.2	-.1	-.3
Transportation Equipment	14.1	14.0	13.4	.2	.7
Motor Vehicles and Equipment	13.4	13.2	12.6	.2	.8
Instruments and Related Products	4.9	4.8	4.7	.0	.2
Nondurable Goods[f]	38.7	38.9	38.4	-.3	.2
Food and Kindred Products	10.6	10.7	10.4	-.1	.1
Dairy Products	4.0	4.0	3.9	.1	.2
Printing and Publishing	11.0	10.9	10.7	.0	.2
Chemicals and Allied Products	6.8	6.9	6.8	.0	.1
Rubber and Miscellaneous Plastics Products	6.1	6.3	5.9	-.2	.2
Service-Producing Industries	571.0	568.3	556.4	2.7	14.6
Transportation and Public Utilities	30.8	30.6	30.1	.2	.7
Transportation	18.4	18.3	17.9	.1	.5
Trucking and Warehousing	13.0	12.9	12.4	.0	.6
Communications, Electric, Gas Services	12.4	12.3	12.2	.1	.1
Communications	7.8	7.7	7.6	.1	.2
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.2	37.1	36.5	.1	.8
Wholesale Trade-Durable Goods	24.2	24.1	23.7	.1	.6
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.2	.0	-.1
Machinery, Equipment, and Supplies	5.6	5.5	5.3	.1	.3
Wholesale Trade-Nondurable Goods	13.0	13.0	12.8	.0	.2
Retail Trade	143.0	144.2	138.3	-1.1	4.7
General Merchandise Stores	20.8	21.5	20.3	-.7	.5
Food Stores	16.8	16.9	16.1	-.1	.8
Automotive Dealers and Service Stations	14.2	14.2	13.7	.0	.4
Finance, Insurance, and Real Estate	60.1	60.1	59.2	.0	.9
Finance	23.6	23.8	23.2	-.1	.4
Depository Institutions	14.2	14.3	14.0	-.2	.1
Commercial Banks	11.8	12.0	11.5	-.1	.4
Insurance	27.8	27.7	27.5	.1	.3
Insurance Carriers	23.9	23.8	23.4	.1	.4
Services	172.0	169.4	165.9	2.6	6.1
Business Services	36.0	35.7	33.7	.3	2.2
Personnel Supply Services	12.5	12.4	11.0	.1	1.5
Health Services	45.4	45.1	43.4	.4	2.0
Nursing and Personal Care Facilities	8.1	8.1	8.0	.0	.2
Hospitals	21.2	21.0	20.1	.3	1.1
Legal Services	4.5	4.5	4.4	.0	.2
Educational Services	8.4	7.6	8.7	.8	-.3
Social Services	12.6	12.5	12.1	.1	.5
Engineering and Management Services	17.8	17.7	17.8	.1	.1
Engineering and Architectural Services	4.5	4.4	4.3	.0	.1
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.3	.0	-.1
Research and Testing Services	6.2	6.2	6.1	.0	.0
Government	127.8	127.0	126.4	.9	1.4
Federal Government	15.9	16.0	15.7	-.1	.2
State Government	56.3	55.6	55.4	.7	.9
State Government Education[i]	23.7	23.1	23.8	.6	-.1
Local Government	55.6	55.4	55.3	.2	.3
Local Government Education	33.8	33.6	33.7	.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

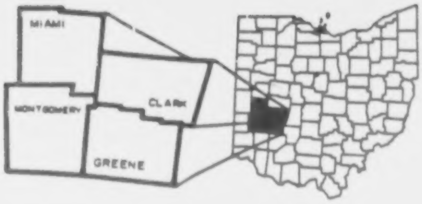
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$521.59	$516.57	$490.95	42.2	42.1	41.5	$12.36	$12.27	$11.83
Durable Goods[e]	538.05	530.88	503.74	42.5	42.2	41.7	12.66	12.58	12.08
Stone, Clay, and Glass Products	505.06	502.85	480.06	42.3	41.8	41.6	11.94	12.03	11.54
Glass and Glassware, Pressed or Blown	462.51	451.14	444.29	42.2	41.2	41.6	10.96	10.95	10.68
Fabricated Metal Products	519.53	489.24	499.25	41.2	40.5	40.1	12.61	12.08	12.45
Industrial Machinery and Equipment	516.38	497.54	456.86	42.5	41.6	39.9	12.15	11.96	11.45
Electronic and Other Electric Equipment	514.88	505.36	451.16	42.8	41.8	39.3	12.03	12.09	11.48
Transportation Equipment	676.13	668.63	642.22	45.5	45.3	45.1	14.86	14.76	14.24
Motor Vehicles and Equipment	678.98	671.01	650.88	45.6	45.4	45.2	14.89	14.78	14.40
Instruments and Related Products	397.06	390.66	423.86	38.7	38.3	40.1	10.26	10.20	10.57
Nondurable Goods[f]	487.21	487.06	464.12	41.5	41.7	41.0	11.74	11.68	11.32
Food and Kindred Products	420.84	422.10	409.94	40.7	41.1	41.2	10.34	10.27	9.95
Dairy Products	630.85	653.97	564.96	44.9	45.7	42.8	14.05	14.31	13.20
Printing and Publishing	545.45	558.56	531.76	39.1	40.3	39.1	13.95	13.86	13.60
Chemicals and Allied Products	654.24	658.12	618.87	43.5	43.7	44.3	15.04	15.06	13.97
Rubber and Miscellaneous Plastics Products	408.53	398.11	363.67	43.6	42.9	41.0	9.37	9.28	8.87
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	450.57	448.80	374.06	34.5	34.0	29.5	13.06	13.20	12.68
Communications, Electric, Gas Services	654.91	660.07	563.80	43.2	43.8	40.3	15.16	15.07	13.99
Communications	575.46	582.65	545.69	39.2	40.1	39.4	14.68	14.53	13.85
Electric, Gas, and Sanitary Services	795.75	794.74	592.97	50.3	50.3	41.7	15.82	15.80	14.22
Wholesale Trade	401.28	398.21	385.32	38.4	38.4	38.0	10.45	10.37	10.14
Retail Trade[h]	181.82	183.03	181.40	27.3	27.4	28.3	6.66	6.68	6.41
General Merchandise Stores	204.61	202.19	192.72	28.3	28.2	28.3	7.23	7.17	6.81
Food Stores	184.89	189.13	177.50	26.3	26.6	25.8	7.03	7.11	6.88
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	447.14	439.25	409.63	....	....	....	.....	.....	.....
Depository Institutions	291.93	286.63	270.14	....	....	....	.....	.....	.....
Commercial Banks	292.43	284.87	271.06	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	224.12	229.91	209.92	31.7	32.2	32.0	7.07	7.14	6.56
Hospitals	401.31	400.42	362.23	34.3	34.4	33.7	11.70	11.64	10.75
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	486.36	491.44	462.94	38.6	39.6	39.5	12.60	12.41	11.72

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

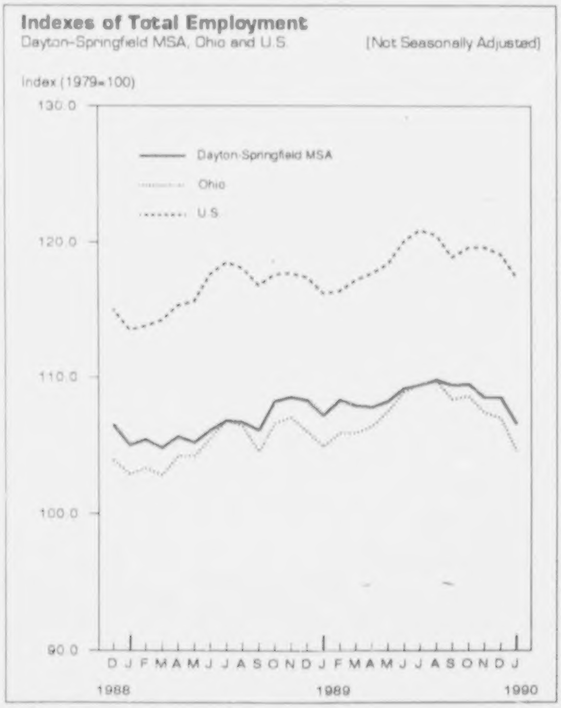
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

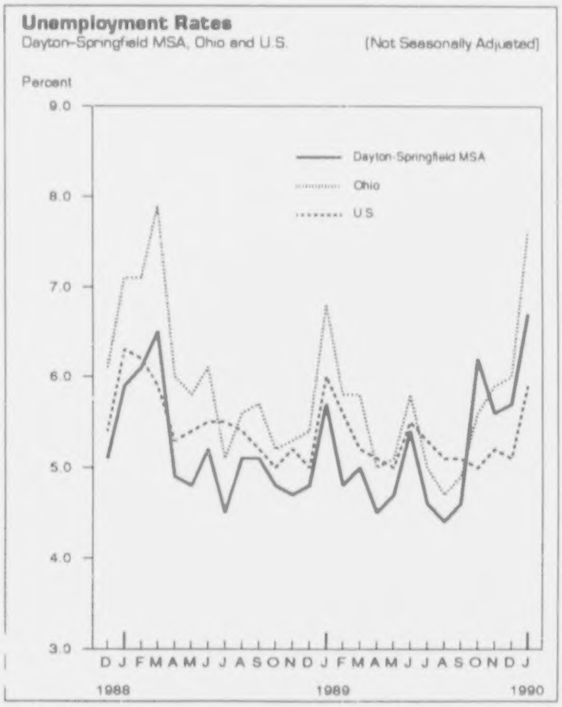


In the Dayton-Springfield metropolitan area, total nonfarm payroll employment rose 1,900 above the January level to 448,100 in February 1990. Service-producing industries increased 1,800 as more business in services outweighed a seasonal decrease in retail trade. The number of employees in goods-producing industries was unchanged from last month at 119,100. A marginal gain in manufacturing due to the recall of workers in rubber and miscellaneous plastics products and in transportation equipment was counterbalanced by less business in construction. Factory production workers averaged $13.07 per hour, up 14 cents from January. Their average workweek of 41.9 hours was 0.5 hours longer.

Nonagricultural wage and salary employment advanced 7,200 between February 1989 and February 1990. Moderate expansion in services, local and federal government, and retail trade raised employment in service-producing industries 9,700. Reductions in manufacturing, especially industrial machinery and equipment, rubber and miscellaneous plastics products, and electronic and other electric equipment, and less demand in construction lowered goods-producing employment 2,500 over the year.

Seasonally adjusted employment in the Dayton-Springfield area increased 2,000 above the January level to 455,000 in February 1990 due mainly to modest increases in manufacturing and services. Since February 1989, total payroll employment rose 7,000. Scattered improvements in service-producing industries, especially in services and government, outweighed declines in goods-producing industries.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
476.0	452.9	23.1	4.8	February	440.9	105.4	68.0	568.54	43.7	13.01
475.1	451.2	23.9	5.0	March	444.2	105.6	68.1	565.07	43.3	13.05
471.9	450.8	21.1	4.5	April	446.8	104.7	67.5	556.85	43.1	12.92
474.3	452.1	22.1	4.7	May	448.3	104.8	67.4	555.56	43.0	12.92
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
477.6	445.4	32.2	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
INA	INA	INA	INA	February	448.1	103.6	66.8	547.63	41.9	13.07

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
448	126	19	106	February	322	17	21	80	18	112	75
449	126	19	106	March	324	17	21	80	18	113	74
447	123	18	105	April	324	17	21	79	18	113	76
447	123	18	105	May	324	17	21	79	18	114	76
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
455	123	18	105	February	332	18	21	81	18	116	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	448.1	446.3	440.9	1.9	7.2
Goods-Producing Industries[g]	119.1	119.1	121.6	.0	-2.5
Construction	15.2	15.8	15.8	-.6	-.7
Manufacturing	103.6	103.0	105.4	.6	-1.8
Durable Goods[e]	74.2	74.2	75.6	.0	-1.5
Fabricated Metal Products	8.5	8.5	8.5	.0	.0
Industrial Machinery and Equipment	31.0	31.4	32.3	-.4	-1.3
Metalworking Machinery	8.3	8.5	8.4	-.1	.0
General Industrial Machinery	2.9	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.9	3.8	4.5	.0	-.6
Transportation Equipment	22.0	21.6	21.5	.4	.5
Motor Vehicles and Equipment	18.8	18.5	18.3	.4	.5
Nondurable Goods[f]	29.4	28.8	29.8	.6	-.4
Food and Kindred Products	2.7	2.7	2.7	.0	.0
Paper and Allied Products	6.0	6.0	6.0	-.1	.0
Printing and Publishing	9.1	9.2	8.9	-.1	.2
Rubber and Miscellaneous Plastics Products	7.6	6.9	8.4	.7	-.9
Service-Producing Industries	329.0	327.2	319.3	1.8	9.7
Transportation and Public Utilities	17.8	17.8	17.0	.0	.8
Transportation	11.4	11.4	10.9	.0	.5
Trucking and Warehousing	6.4	6.3	5.8	.0	.5
Communications, Electric, Gas Services	6.3	6.3	6.1	.0	.3
Communications	3.5	3.5	3.5	.0	.1
Wholesale Trade	21.2	21.1	20.3	.1	.8
Wholesale Trade-Durable Goods	14.8	14.8	14.3	.0	.6
Wholesale Trade-Nondurable Goods	6.4	6.3	6.1	.1	.3
Retail Trade	78.6	79.4	77.1	-.8	1.4
General Merchandise Stores	11.2	11.7	11.1	-.5	.1
Finance, Insurance, and Real Estate	17.7	17.6	17.5	.1	.1
Finance	9.6	9.6	9.8	.0	-.2
Depository Institutions	7.3	7.3	7.5	.0	-.2
Insurance	4.5	4.5	4.3	.0	.2
Services	114.8	112.9	111.2	1.9	3.5
Business Services	21.7	21.4	20.9	.3	.8
Personnel Supply Services	5.6	5.5	5.7	.1	-.1
Computer and Data Processing Services	5.2	5.1	4.6	.1	.5
Health Services	38.9	38.8	37.3	.1	1.5
Nursing and Personal Care Facilities	7.1	7.1	7.0	.0	.1
Hospitals	20.0	20.0	19.1	.0	1.0
Educational Services	9.2	8.3	9.2	.9	.0
Social Services	5.8	5.7	5.8	.1	.0
Engineering and Management Services	9.8	9.7	9.9	.1	.0
Research and Testing Services	3.3	3.3	3.2	.0	.1
Government	79.1	78.4	76.1	.6	3.0
Federal Government	28.9	29.0	27.8	-.1	1.0
State Government	7.6	7.3	7.3	.3	.3
State Government Education[i]	4.7	4.4	4.4	.3	.3
Local Government	42.6	42.2	41.0	.4	1.6
Local Government Education	27.4	27.0	26.3	.4	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$547.63	$535.30	$568.54	41.9	41.4	43.7	$13.07	$12.93	$13.01
Durable Goods[e]	571.63	557.61	581.24	42.5	41.8	44.0	13.45	13.34	13.21
Fabricated Metal Products	411.27	400.49	401.28	41.5	40.7	41.8	9.91	9.84	9.60
Industrial Machinery and Equipment	594.26	590.97	616.95	43.0	42.7	45.0	13.82	13.84	13.71
Metalworking Machinery	580.56	597.30	613.01	44.9	45.7	47.3	12.93	13.07	12.96
General Industrial Machinery	491.02	510.42	507.21	43.3	44.5	43.5	11.34	11.47	11.66
Electronic and Other Electric Equipment	373.01	367.79	381.47	42.1	41.7	43.3	8.86	8.82	8.81
Transportation Equipment	706.06	677.63	733.50	43.0	41.7	45.0	16.42	16.25	16.30
Motor Vehicles and Equipment	715.95	681.03	745.05	43.0	41.4	45.1	16.65	16.45	16.52
Nondurable Goods[f]	477.19	465.96	532.00	40.1	40.1	42.8	11.90	11.62	12.43
Food and Kindred Products	333.49	339.21	383.97	38.2	38.9	41.6	8.73	8.72	9.23
Paper and Allied Products	476.19	484.34	478.95	42.9	43.4	43.7	11.10	11.16	10.96
Printing and Publishing	461.78	445.06	468.06	39.3	38.6	39.7	11.75	11.53	11.79
Rubber and Miscellaneous Plastics Products	600.23	556.87	719.20	38.9	37.1	43.8	15.43	15.01	16.42
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	562.72	562.47	542.52	40.6	40.7	39.6	13.86	13.82	13.70
Communications	554.98	555.01	544.46	39.5	39.9	39.8	14.05	13.91	13.68
Wholesale Trade	393.57	391.24	403.60	39.2	39.4	40.0	10.04	9.93	10.09
Retail Trade[h]	169.07	166.98	162.10	27.9	27.6	27.9	6.06	6.05	5.81
General Merchandise Stores	176.42	175.44	170.08	27.1	27.2	27.7	6.51	6.45	6.14
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	—	....	.....	.....	.....
Depository Institutions	276.38	269.47	254.13		....	....	.....	.....	.....
Services	......	......	......		...	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	407.59	409.60	362.86	34.6	34.8	34.2	11.78	11.77	10.61

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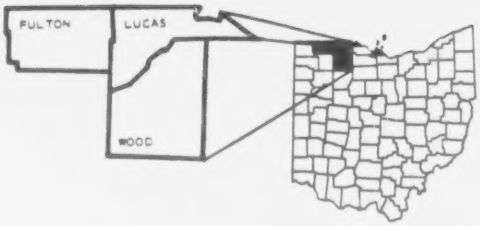
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only, tips not included. [i] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

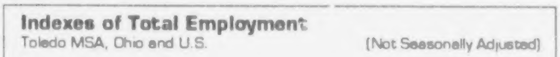
TOLEDO
METROPOLITAN STATISTICAL AREA

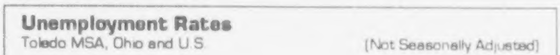


Nonfarm payroll employment in the Toledo metropolitan area totaled 289,300 in February 1990, up 8,100 from January. The recall of workers in manufacturing, especially transportation equipment, raised employment in goods-producing industries 7,600 to 69,600. Service-producing industries added 500 jobs as an increase in nonteaching personnel in state schools and colleges offset a seasonal decrease in retail trade. Manufacturing production workers averaged $13.20 per hour, 78 cents above the January level. Their average workweek of 41.9 hours was 0.2 hours shorter.

Nonagricultural wage and salary employment advanced 1,600 between February 1989 and February 1990. Employment in service-producing industries rose 4,500 primarily due to moderate expansion in retail trade and services. A reduction in the manufacturing workforce, especially in transportation equipment, lowered employment in goods-producing industries 3,000 over the year. Noteworthy declines also occurred in industrial machinery and equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area rose 9,000 above the January level to 295,000 in February 1990. The recall of workers in manufacturing raised goods-producing industries 8,000. Since February 1989, total payroll employment increased 2,000. Improvements in retail trade, services, and transportation and public utilities more than offset a decline in manufacturing.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]

Toledo MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	**1979**	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	**1983**	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	**1984**	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	**1985**	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	**1986**	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	**1987**	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	**1988**	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	**1989**	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
315.1	296.0	19.1	6.1	**February**	287.7	62.4	44.7	596.30	44.5	13.40
314.6	295.8	18.7	6.0	**March**	290.7	62.7	44.8	596.30	44.5	13.40
314.1	297.5	16.6	5.3	**April**	293.0	62.6	44.7	563.73	43.0	13.11
317.4	300.3	17.2	5.4	**May**	295.8	62.5	44.7	584.76	44.0	13.29
320.2	300.4	19.8	6.2	**June**	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	**July**	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	**August**	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	**September**	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	**October**	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	**November**	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	**December**	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
316.9	284.1	32.7	10.3	**January**	281.2	51.1	34.3	522.88	42.1	12.42
INA	INA	INA	INA	**February**	289.3	59.2	42.2	553.08	41.9	13.20

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	**1979**	180	18	14	47	9	53	39
257	77	10	66	**1980**	180	16	14	46	9	54	40
254	76	9	66	**1981**	179	16	14	46	9	55	39
244	68	7	60	**1982**	177	14	14	44	9	57	38
245	67	7	60	**1983**	178	14	14	44	9	58	39
257	73	8	65	**1984**	184	14	15	47	10	59	39
265	74	9	66	**1985**	190	14	15	50	10	62	40
272	73	9	63	**1986**	199	14	15	52	11	67	41
278	73	10	62	**1987**	206	14	15	54	12	70	42
287	74	11	63	**1988**	213	13	15	57	12	73	42
294	74	12	62	**1989**	220	14	16	59	12	76	43
				1989							
293	75	12	63	**February**	218	14	16	58	12	75	43
294	75	12	63	**March**	219	14	16	58	12	75	43
293	75	12	63	**April**	218	14	16	58	12	75	43
294	75	12	63	**May**	219	14	16	59	12	75	43
294	74	12	62	**June**	220	14	16	58	12	76	43
293	74	12	62	**July**	219	14	16	59	12	76	42
293	73	12	61	**August**	220	14	16	59	12	77	43
294	72	12	60	**September**	221	14	16	59	12	77	43
293	72	12	60	**October**	221	14	16	59	12	77	43
294	72	12	60	**November**	222	15	16	59	12	77	44
296	73	12	60	**December**	223	15	16	59	12	77	44
				1990							
286	64	12	52	**January**	222	15	16	60	12	76	43
295	72	12	60	**February**	223	15	16	60	12	77	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	289.3	281.2	287.7	8.1	1.6
Goods-Producing Industries[g]	69.6	62.0	72.6	7.6	-3.0
Construction	10.2	10.7	10.0	-.5	.3
Manufacturing	59.2	51.1	62.4	8.1	-3.2
Durable Goods[e]	44.1	35.6	46.9	8.5	-2.8
Stone, Clay, and Glass Products	7.7	7.9	8.1	-.2	-.4
Primary Metal Industries	3.5	3.5	3.6	-.1	-.2
Fabricated Metal Products	6.9	6.2	7.2	.7	-.3
Metal Forgings and Stampings	2.6	2.1	3.0	.5	-.4
Industrial Machinery and Equipment	5.7	5.7	6.2	.0	-.5
Transportation Equipment	13.8	5.7	15.3	8.1	-1.5
Nondurable Goods[f]	15.1	15.5	15.5	-.4	-.5
Food and Kindred Products	3.8	3.9	3.8	-.2	-.1
Rubber and Miscellaneous Plastics Products	3.9	4.1	4.3	-.1	-.4
Service-Producing Industries	219.7	219.2	215.1	.5	4.5
Transportation and Public Utilities	14.1	14.2	13.6	-.1	.5
Transportation	9.2	9.3	8.8	-.1	.4
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.1
Wholesale Trade	15.8	15.8	15.3	.0	.5
Wholesale Trade-Durable Goods	10.5	10.5	10.2	.0	.3
Wholesale Trade-Nondurable Goods	5.3	5.3	5.1	.0	.3
Retail Trade	57.9	58.8	56.1	-.9	1.8
General Merchandise Stores	7.9	8.6	8.1	-.6	-.2
Finance, Insurance, and Real Estate	11.9	11.9	11.9	.0	.1
Finance	6.3	6.3	6.3	-.1	.0
Insurance	3.7	3.7	3.7	.0	.0
Services	75.1	74.9	73.3	.2	1.8
Business Services	13.0	13.1	12.7	-.1	.3
Personnel Supply Services	4.7	4.8	4.5	-.1	.3
Health Services	27.4	27.5	27.2	-.1	.2
Nursing and Personal Care Facilities	4.1	4.1	4.1	.0	.0
Hospitals	15.1	15.1	15.0	.0	.1
Engineering and Management Services	6.0	5.9	5.8	.1	.2
Government	44.8	43.6	44.9	1.3	-.1
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.0	16.0	16.8	1.0	.2
State Government Education[i]	12.7	11.7	12.7	1.0	.0
Local Government	25.2	24.9	25.5	.2	-.3
Local Government Education	14.8	14.6	15.2	.2	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

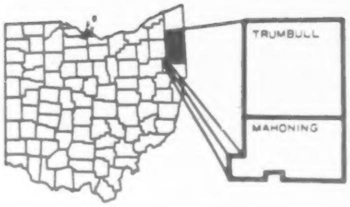
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$553.08	$522.88	$596.30	41.9	42.1	44.5	$13.20	$12.42	$13.40
Durable Goods[e]	563.30	512.08	617.87	42.1	41.7	45.1	13.38	12.28	13.70
Stone, Clay, and Glass Products	483.03	491.88	455.94	40.9	41.3	40.1	11.81	11.91	11.37
Primary Metal Industries	467.41	492.48	525.97	41.4	43.2	46.3	11.29	11.40	11.36
Fabricated Metal Products	482.16	454.18	520.95	41.0	40.3	45.3	11.76	11.27	11.50
Metal Forgings and Stampings	632.81	621.57	640.48	40.8	41.3	43.6	15.51	15.05	14.69
Industrial Machinery and Equipment	497.34	494.16	530.20	42.8	42.6	44.0	11.62	11.60	12.05
Transportation Equipment	715.23	743.01	821.28	42.7	42.8	47.5	16.75	17.36	17.29
Nondurable Goods[f]	520.79	545.27	520.67	41.3	42.8	42.4	12.61	12.74	12.28
Food and Kindred Products	620.86	713.39	557.95	43.6	48.3	41.7	14.24	14.77	13.38
Rubber and Miscellaneous Plastics Products	350.64	359.07	364.98	39.8	40.3	42.0	8.81	8.91	8.69
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	735.46	609.00	571.86	44.9	40.9	40.3	16.38	14.89	14.19
Wholesale Trade	413.83	412.00	391.84	40.1	40.0	39.7	10.32	10.30	9.87
Retail Trade[h]	164.50	160.33	158.61	27.1	26.5	27.3	6.07	6.05	5.81
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	374.13	374.25	338.95	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Money payments only; tips not included. [i] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j] Depressed due to labor-management disputes.

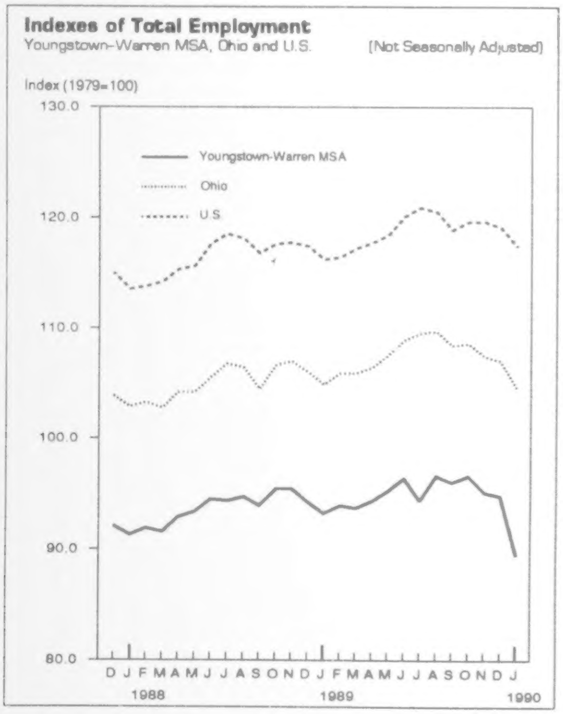
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

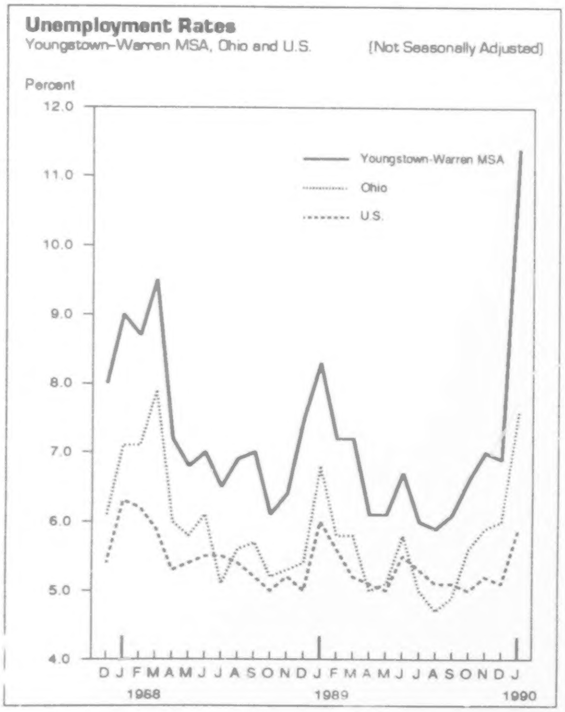


In the Youngstown-Warren metropolitan area, nonagricultural payroll employment rose 7,500 above the January level, to 196,500 in February 1990. The recall of workers in manufacturing, especially transportation equipment, fabricated metal products, and primary metal industries, increased goods-producing industries 7,400 to 55,700. Employment in service-producing industries was little changed over the month as a seasonal increase in nonteaching personnel in state schools and colleges offset a seasonal decrease in retail trade. Manufacturing production workers averaged $14.10 per hour, up 36 cents from January. Their average workweek was 0.4 hours shorter at 41.8 hours.

Total nonfarm wage and salary employment advanced 2,700 between February 1989 and February 1990. Expansion in retail trade (+1,400) and services (+1,200) helped raise employment in service-producing industries 4,600. Modest improvements also occurred in wholesale trade and local government. A significant reduction in durable-goods manufacturing, particularly primary metal industries, reduced goods-producing industries 1,900 over the year.

Seasonally adjusted employment in the Youngstown-Warren area rose 8,000 above the January level to 201,000 in February 1990. The recall of workers in manufacturing raised goods-producing industries 8,000. Since February 1989, total payroll employment increased 3,000. Gains in retail trade, wholesale trade, and services outweighed a decline in manufacturing.


Indexes of Total Employment
Youngstown–Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Youngstown–Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
222.6	206.5	16.1	7.2	February	193.8	51.0	38.9	580.88	42.4	13.70
222.0	206.1	15.9	7.2	March	195.6	50.8	38.7	595.55	43.0	13.85
220.8	207.3	13.5	6.1	April	197.0	50.7	38.7	589.48	42.5	13.87
222.9	209.3	13.5	6.1	May	199.2	50.7	38.6	603.60	43.3	13.94
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.2	196.9	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
INA	INA	INA	INA	February	196.5	49.0	36.7	589.38	41.8	14.10

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	60	8	51	February	138	8	11	41	9	46	24
198	59	8	51	March	139	8	11	42	9	46	24
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193 ~	50	8	42	January	143	8	12	43	9	47	25
201	58	8	49	February	143	8	12	43	9	47	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	196.5	189.0	193.8	7.5	2.7
Goods-Producing Industries[g]	55.7	48.4	57.7	7.4	-1.9
Construction	6.3	6.5	6.3	-.2	.0
Manufacturing	49.0	41.5	51.0	7.6	-2.0
Durable Goods[e]	43.9	36.4	45.8	7.5	-1.9
Primary Metal Industries	17.8	16.7	19.0	1.1	-1.2
Blast Furnace and Basic Steel Products	5.9	5.9	5.8	.0	.1
Fabricated Metal Products	7.3	5.9	7.5	1.4	-.2
Metal Forgings and Stampings	3.8	2.5	3.9	1.3	-.1
Industrial Machinery and Equipment	4.3	4.3	4.2	-.1	.0
Transportation Equipment	9.4	4.3	9.6	5.1	-.2
Nondurable Goods[f]	5.1	5.1	5.1	.1	.0
Service-Producing Industries	140.8	140.7	136.2	.1	4.6
Transportation and Public Utilities	7.7	7.6	7.5	.1	.1
Wholesale Trade	11.5	11.5	10.6	.0	.9
Wholesale Trade-Durable Goods	7.1	7.1	6.8	.0	.3
Wholesale Trade-Nondurable Goods	4.3	4.4	3.8	.0	.6
Retail Trade	41.4	41.9	40.0	-.5	1.4
General Merchandise Stores	5.1	5.4	5.2	-.3	.0
Finance, Insurance, and Real Estate	8.7	8.7	8.4	.0	.3
Finance	4.8	4.8	4.6	.0	.2
Services	46.1	46.1	45.0	.1	1.2
Health Services	20.9	21.1	20.5	-.2	.4
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.2
Hospitals	10.6	10.7	10.6	-.1	.0
Government	25.4	24.9	24.8	.5	.6
State Government	4.5	4.0	4.5	.5	-.1
State Government Education[i]	3.0	2.5	3.1	.5	-.1
Local Government	18.9	18.8	18.2	.1	.7
Local Government Education	12.5	12.4	11.9	.1	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$589.38	$579.83	$580.88	41.8	42.2	42.4	$14.10	$13.74	$13.70
Durable Goods[e]	604.20	596.99	598.23	41.9	42.4	42.7	14.42	14.08	14.01
Primary Metal Industries	639.63	649.32	642.36	41.4	42.0	42.4	15.45	15.46	15.15
Blast Furnace and Basic Steel Products	667.34	662.63	606.09	46.7	46.5	44.5	14.29	14.25	13.62
Fabricated Metal Products	584.56	579.04	589.11	42.7	44.0	43.8	13.69	13.16	13.45
Metal Forgings and Stampings	689.61	773.69	695.81	42.7	47.7	45.3	16.15	16.22	15.36
Industrial Machinery and Equipment	522.88	513.36	510.94	42.1	41.5	42.9	12.42	12.37	11.91
Transportation Equipment	678.78	697.57	646.15	43.4	43.9	43.6	15.64	15.89	14.82
Nondurable Goods[f]	432.63	428.39	390.39	41.4	40.3	39.0	10.45	10.63	10.01
Wholesale Trade	387.66	381.79	365.11	39.0	38.8	38.8	9.94	9.84	9.41
Retail Trade[h]	178.54	179.85	179.76	27.3	27.5	28.9	6.54	6.54	6.22
Finance, Insurance, and Real Estate	......	......	......	.....	.....	.....	.....	.....	.....
Finance	227.35	225.13	226.30	.....	.....	.....	.....	.....	.....

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[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [f]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Nonfarm wage and salary employment in the Hamilton-Middletown metropolitan area totaled 93,800 in February 1990, unchanged from January. Improvements in retail trade and services raised employment in service-producing industries 300. Goods-producing industries, at 26,800, lost 400 jobs due to scattered declines in manufacturing and less business in construction and mining. Factory production workers averaged $13.33 per hour, down 6 cents from January. Their average workweek of 43.6 hours was 0.9 hours shorter. Nonagricultural payroll employment advanced 300 between February 1989 and February 1990. Expansion in services raised service-producing industries 700. Reductions in manufacturing, especially paper and allied products, lowered goods-producing industries 400 over the year.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area rose 800 above the January level to 72,300 in February 1990. The recall of workers in manufacturing, especially transportation equipment, increased goods-producing industries 500 to 26,200. Service-producing industries added 200 jobs. Manufacturing production workers averaged $13.19 per hour, up 28 cents from January. Their average workweek was 0.3 hours longer at 42.4 hours. Nonfarm wage and salary employment advanced 2,100 between February 1989 and February 1990. Growth in retail trade contributed most to the 1,100 increase in service-producing industries. Scattered gains in manufacturing, particularly industrial machinery and equipment, raised goods-producing employment 1,000 during the period.

Lorain–Elyria PMSA
In the Lorain-Elyria metropolitan area, nonfarm wage and salary employment totaled 90,900 in February 1990, up 5,600 from January. Goods-producing industries rose 5,300 to 31,500 due to the recall of workers in manufacturing, especially transportation equipment. Seasonal gains in services and local schools increased service-producing industries 400. Manufacturing production workers averaged $13.23 per hour, $1.26 higher than January. Their average workweek of 42.5 hours was 0.1 hours shorter. Nonagricultural payroll employment increased 100 between February 1989 and February 1990. Modest growth in retail trade and transportation and public utilities added 600 jobs to service-producing industries. Employment in goods-producing industries dropped 500 over the year. A reduction in durable-goods manufacturing, particularly transportation equipment and primary metal industries, overshadowed a slight gain in construction and mining.

Manfield MSA
Total nonagricultural payroll employment in the Mansfield metropolitan area rose 700 above the January level to 59,200 in February 1990. The return of workers from a temporary shutdown in durable-goods manufacturing, especially fabricated metal products, increased employment in goods-producing industries 300 to 20,500. Service-producing industries added 300 jobs primarily due to a seasonal increase in nonteaching personnel in local schools. Manufacturing production workers averaged $12.99 per hour, up fractionally from January. Their average workweek of 40.3 hours was 0.1 hours shorter. Nonfarm wage and salary employment was unchanged between February 1989 and February 1990. A reduction in durable-goods manufacturing lowered goods-producing employment 500. Modest expansion in retail trade raised service-producing industries 500 over the year.

Steubenville–Weirton MSA
In the Steubenville-Weirton metropolitan area, nonagricultural payroll employment rose 500 above the January level to 52,100 in February 1990. More business in services and a seasonal gain in local schools added 300 jobs in service-producing industries. Employment in goods-producing industries increased 200 to 19,900 due to modest improvement in durable-goods manufacturing. Factory production workers averaged $11.72 per hour, unchanged from January. Their average workweek was 0.2 hours longer at 42.6 hours. Nonfarm wage and salary employment advanced 1,700 between February 1989 and February 1990. Growth in services and retail trade raised service-producing industries 1,600. Employment in goods-producing industries increased 100 over the year due to a slight improvement in construction.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	131.4	132.3	131.5	-.9	-.1
Employment	121.8	124.4	122.3	-2.6	-.5
Unemployment	9.5	7.9	9.3	1.6	.2
Unemployment Rate	7.3	5.9	7.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[f]	Feb. 1989[c]	From Last Month	From Last Year
Total	93.8	93.8	93.4	.0	.3
Goods–Producing Industries	26.8	27.2	27.2	-.4	-.4
Construction and Mining	5.0	5.0	4.8	-.1	.2
Manufacturing	21.9	22.1	22.5	-.3	-.6
Durable Goods	15.2	15.3	15.5	-.2	-.3
Primary Metal Industries	7.1	7.2	6.7	-.1	.3
Fabricated Metal Products	2.4	2.4	2.5	.0	-.1
Industrial Machinery and Equipment	2.5	2.4	2.3	.0	.1
Nondurable Goods	6.7	6.8	7.0	-.1	-.3
Paper and Allied Products	4.8	4.8	5.1	-.1	-.3
Paper Mills	3.5	3.6	3.8	-.1	-.3
Service–Producing Industries	67.0	66.6	66.2	.3	.7
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	5.6	5.6	5.6	.0	.0
Wholesale Trade–Durable Goods	3.8	3.8	3.9	0	-.1
Retail Trade	17.2	17.0	17.4	.3	-.1
Food Stores	2.9	2.9	3.1	.0	-.2
Finance, Insurance, and Real Estate	4.6	4.7	4.8	-.1	-.2
Services	19.0	18.8	17.9	.2	1.1
Health Services	8.3	8.2	7.9	.0	.4
Government	17.2	17.2	17.2	-.1	-.1
State Government	6.9	7.1	7.0	-.2	-.1
Local Government	9.7	9.5	9.7	.1	.0
Local Government Education	6.4	6.2	6.3	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$581.19	$595.86	$603.90	43.6	44.5	45.0	$13.33	$13.39	$13.42
Durable Goods	592.09	597.52	622.43	43.6	44.0	45.4	13.58	13.58	13.71
Primary Metal Industries	649.74	649.00	715.55	44.2	44.3	47.2	14.70	14.65	15.16
Fabricated Metal Products	516.99	498.56	530.42	42.1	41.0	41.7	12.28	12.16	12.72
Industrial Machinery and Equipment	626.26	668.93	632.77	48.1	50.6	48.9	13.02	13.22	12.94
Nondurable Goods	553.68	590.44	557.92	43.7	45.7	44.0	12.67	12.92	12.68
Paper and Allied Products	566.69	604.30	598.15	44.1	46.2	45.8	12.85	13.08	13.06
Paper Mills	573.33	622.04	616.25	43.9	46.7	46.3	13.06	13.32	13.31
Wholesale Trade	456.67	452.62	412.44	42.6	42.7	42.0	10.72	10.60	9.82
Retail Trade[h]	167.08	166.38	159.71	27.3	27.5	27.3	6.12	6.05	5.85

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	78.1	78.4	76.1	-.3	2.0
Employment	70.9	73.0	70.6	-2.1	.3
Unemployment	7.2	5.4	5.5	1.8	1.7
Unemployment Rate	9.2	6.9	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	72.3	71.5	70.2	.8	2.1
Goods-Producing Industries	26.2	25.6	25.2	.5	1.0
Construction and Mining	2.8	2.9	2.7	-.1	.0
Manufacturing	23.4	22.7	22.4	.7	.9
Durable Goods	17.2	16.5	16.7	.7	.5
Fabricated Metal Products	2.7	2.7	2.4	-.1	.2
Industrial Machinery and Equipment	4.2	4.2	3.8	.0	.5
Transportation Equipment	7.4	6.7	7.6	.7	-.2
Motor Vehicles and Equipment	3.6	2.9	3.8	.7	-.2
Nondurable Goods	6.2	6.3	5.8	-.1	.4
Food and Kindred Products	1.8	1.8	1.7	.0	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	1.9	-.1	.2
Service-Producing Industries	46.1	45.9	45.0	.2	1.1
Transportation and Public Utilities	3.1	3.0	2.8	.0	.2
Wholesale Trade	3.4	3.4	3.4	.0	.1
Retail Trade	13.9	14.0	13.1	-.1	.8
General Merchandise Stores	2.1	2.2	1.9	-.1	.3
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	14.3	14.1	14.2	.1	.1
Health Services	6.5	6.5	6.2	.0	.3
Hospitals	3.1	3.1	3.1	.0	.1
Government	9.5	9.3	9.4	.2	.0
Local Government	7.1	6.9	7.1	.2	.0
Local Government Education	4.3	4.2	4.2	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$559.26	$543.51	$550.39	42.4	42.1	42.6	$13.19	$12.91	$12.92
Durable Goods	550.71	537.20	549.54	42.2	42.1	42.6	13.05	12.76	12.90
Fabricated Metal Products	373.69	365.92	366.61	41.8	41.3	41.1	8.94	8.86	8.92
Industrial Machinery and Equipment	461.62	466.99	473.20	40.6	41.0	42.1	11.37	11.39	11.24
Transportation Equipment	696.38	668.13	657.48	43.2	42.1	42.5	16.12	15.87	15.47
Motor Vehicles and Equipment	780.23	737.86	737.68	45.1	43.2	44.6	17.30	17.08	16.54
Nondurable Goods	584.87	562.95	552.93	43.1	42.2	42.5	13.57	13.34	13.01
Food and Kindred Products	384.46	378.82	359.90	40.9	40.3	39.9	9.40	9.40	9.02
Rubber and Miscellaneous Plastics Products	618.16	572.76	588.62	46.2	44.4	45.7	13.38	12.90	12.88
Wholesale Trade	374.23	367.87	364.17	38.7	38.4	38.7	9.67	9.58	9.41
Retail Trade[h]	183.87	188.78	160.72	29.8	30.4	28.0	6.17	6.21	5.74
General Merchandise Stores	164.38	169.46	151.29	26.3	27.2	24.6	6.25	6.23	6.15

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	115.5	115.9	120.3	-.4	-4.8
Employment	101.4	106.5	109.4	-5.1	-8.0
Unemployment	14.1	9.4	10.9	4.7	3.2
Unemployment Rate	12.2	8.1	9.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	90.9	85.2	90.8	5.6	.1
Goods–Producing Industries	31.5	26.2	32.0	5.3	-.5
Construction and Mining	3.4	3.5	3.2	-.1	.2
Manufacturing	28.1	22.7	28.8	5.4	-.7
Durable Goods	23.6	18.1	24.3	5.4	-.7
Primary Metal Industries	4.2	4.2	4.5	-.1	-.3
Fabricated Metal Products	4.4	4.3	4.1	.1	.3
Tansportation Equipment	7.7	2.3	8.3	5.5	-.6
Nondurable Goods	4.5	4.6	4.6	-.1	.0
Service–Producing Industries	59.4	59.0	58.8	.4	.6
Transportation and Public Utilities	3.4	3.4	3.1	.0	.3
Wholesale Trade	2.3	2.3	2.5	.0	-.1
Retail Trade	16.4	16.4	15.9	.0	.5
Finance, Insurance, and Real Estate	3.2	3.2	3.0	.0	.2
Services	20.4	20.3	20.4	.2	.0
Health Services	8.5	8.5	8.3	.0	.2
Hospitals	4.1	4.1	4.0	.0	.1
Government	13.6	13.3	13.8	.2	-.2
Local Government	11.6	11.3	12.0	.2	-.4
Local Government Education	7.9	7.7	7.7	.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$562.28	$509.92	$622.44	42.5	42.6	45.6	$13.23	$11.97	$13.65
Durable Goods	588.07	537.79	659.86	42.8	43.3	46.6	13.74	12.42	14.16
Primary Metal Industries	614.60	611.89	606.73	43.9	43.8	43.4	14.00	13.97	13.98
Fabricated Metal Products	425.57	438.12	463.31	42.9	43.9	46.1	9.92	9.98	10.05
Transportation Equipment	729.93	803.25	844.90	43.5	45.9	49.7	16.78	17.50	17.00
Nondurable Goods	416.34	397.40	390.85	41.1	39.7	39.4	10.13	10.01	9.92
Wholesale Trade	368.06	359.48	352.64	38.3	38.0	38.0	9.61	9.46	9.28
Retail Trade[h]	156.49	155.74	164.39	25.2	25.2	26.6	6.21	6.18	6.18

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	66.9	65.3	66.5	1.6	.4
Employment	60.7	60.7	61.6	.0	-.9
Unemployment	6.2	4.6	4.9	1.6	1.3
Unemployment Rate	9.3	7.1	7.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	59.2	58.5	59.2	.7	.0
Goods–Producing Industries	20.5	20.2	21.1	.3	-.5
Construction and Mining	1.8	1.8	1.8	-.1	.0
Manufacturing	18.8	18.4	19.3	.4	-.5
Durable Goods	16.7	16.3	17.3	.4	-.5
Fabricated Metal Products	5.6	5.1	5.9	.5	-.3
Electronic and Other Electric Equipment	3.4	3.3	3.3	.1	.1
Nondurable Goods	2.1	2.0	2.0	.0	.0
Service–Producing Industries	38.6	38.3	38.1	.3	.5
Transportation and Public Utilities	2.9	2.9	2.8	.0	.0
Wholesale Trade	2.2	2.2	2.2	-.1	-.1
Retail Trade	11.5	11.5	10.8	.0	.7
Finance, Insurance, and Real Estate	2.4	2.4	2.4	.0	-.1
Services	12.2	12.1	12.4	.1	-.2
Health Services	4.3	4.3	4.2	.0	.1
Government	7.5	7.2	7.4	.3	.1
Local Government	5.8	5.5	5.7	.3	.1
Local Government Education	4.0	3.7	4.0	.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$523.50	$523.58	$563.33	40.3	40.4	43.3	$12.99	$12.96	$13.01
Durable Goods	536.90	539.35	590.30	39.8	40.1	43.5	13.49	13.45	13.57
Fabricated Metal Products	633.29	607.91	767.79	38.9	37.0	44.9	16.28	16.43	17.10
Electronic and Other Electric Equipment	434.96	461.92	471.54	40.2	42.3	43.5	10.82	10.92	10.84
Nondurable Goods	399.15	377.14	335.16	45.0	43.3	42.0	8.87	8.71	7.98
Wholesale Trade	337.55	335.47	321.16	39.9	39.7	39.6	8.46	8.45	8.11
Retail Trade[h]	160.51	161.99	156.24	26.4	26.6	26.8	6.08	6.09	5.83

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jan. 1990[b]	Dec. 1989[c]	Jan. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	55.9	56.9	55.6	-1.0	.3
Employment	52.0	53.1	51.8	-1.1	.2
Unemployment	3.9	3.8	3.8	.1	.1
Unemployment Rate	7.0	6.6	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Total	52.1	51.6	50.4	.5	1.7
Goods–Producing Industries	19.9	19.7	19.8	.2	.1
Mining	.9	.9	.9	.0	.0
Construction	1.3	1.3	1.1	.0	.2
Manufacturing	17.7	17.5	17.8	.2	-.1
Durable Goods	16.2	15.9	16.2	.2	.0
Primary Metal Industries	12.8	12.6	12.8	.1	.0
Nondurable Goods	1.5	1.5	1.6	.0	-.1
Service–Producing Industries	32.2	31.9	30.6	.3	1.6
Transportation and Public Utilities	3.3	3.3	3.2	.0	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.2	9.3	8.7	-.1	.5
General Merchandise Stores	1.8	1.8	1.5	.0	2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.4	10.2	9.6	.2	.8
Health Services	4.5	4.5	4.4	.0	.1
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.3	6.1	6.1	.2	.1
Local Government	5.5	5.3	5.3	.2	.1
Local Government Education	3.5	3.4	3.4	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]
Manufacturing	$499.27	$496.93	$464.13	42.6	42.4	40.5	$11.72	$11.72	$11.46
Durable Goods	520.13	520.03	490.81	43.2	43.3	41.7	12.04	12.01	11.77
Primary Metal Industries	552.57	553.38	517.65	44.1	44.2	42.5	12.53	12.52	12.18
Nondurable Goods	221.20	189.10	144.95	35.0	31.0	25.7	6.32	6.10	5.64
Wholesale Trade	363.29	358.43	330.24	40.5	40.5	38.4	8.97	8.85	8.60
Retail Trade[h]	158.44	157.41	160.68	26.9	27.0	27.8	5.89	5.83	5.78

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	February 1990	January 1990	February 1989
New Applicants	32,318	37,843	39,842
Active File of Job Seekers	198,574	189,046	269,508
Counseling Interviews	809	970	999
Tests Administered	1,557	1,527	1,866
General Aptitude Tests	208	259	76
Proficiency Tests	234	175	335
Specific Aptitude Tests	319	288	346
Referrals to Jobs	17,247	17,963	24,630
Placements	2,326	2,831	4,366
Job Openings Received	6,849	7,803	9,402
Job Openings Unfilled	15,272	14,212	19,148

Selected Unemployment Insurance Activities

	Ohio		
	February 1990	January 1990	February 1989
Initial Claims	73,917	126,036	46,056
Continued Claims	560,333	680,630	455,561
First Payments	37,718	60,348	31,347
Last Payments	4,998	5,988	4,827
Average Weekly Claimants	139,243	141,989	115,892
Average Weekly Benefit Recipients	122,943	113,623	102,045
Weeks Compensated	500,176	505,632	409,745
Benefits Paid	$84,308,058	$83,571,684	$64,091,210
Average Weekly Payment	$175.31	$173.38	$161.04
Continued Claims for Survey Week	131,758	163,156	117,635
Insured Unemployment Rate	3.1	3.1	2.6
Net Contributions	$54,816,776	$21,630,811	$68,231,924
Active Employer Accounts	206,606	206,158	202,136

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Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Jim Hemmerly, Acting Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

Labor Market Review

March 1990

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 5.8 percent in February to 5.5 percent in March. Nationally, the rate was 5.2 percent in March, down slightly from February. Total employment in Ohio, at 5,107,000, was up 46,000 over the month. The number of unemployed workers fell 16,000 to 295,000. Seasonally adjusted nonfarm payroll employment in Ohio totaled 4,905,000 in March, up 13,000 from February. Increases in service-producing industries accounted for the change. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries declined fractionally from February to 1,340,000 in March. Decreases in primary metal industries and industrial machinery and equipment lowered employment in durable-goods manufacturing 2,000 to 749,000. Nondurable-goods employment, at 373,000, was unchanged over the month. Employment in construction rose 1,000 from February to 200,000 in March, while mining employment remained at 18,000.

Service-Producing Industries. An increase of 8,000 in services helped to raise employment in service-producing industries 13,000 from February to 3,564,000 in March. Retail trade added 4,000 jobs, while transportation and public utilities, wholesale trade, and finance, insurance, and real estate each went up 1,000. Employment in government was little changed from February.

Over the Year. Ohio's unemployment rate increased from 5.3 percent in March 1989 to 5.5 percent in March 1990. The national rate of 5.2 percent was up from 5.0 percent a year ago. Total employment in Ohio was down 9,000 from March 1989, while total unemployment was up 8,000. Over the year, nonagricultural wage and salary employment rose 88,000. The largest gains were in services (+30,000) and in retail trade (+29,000). Employment in government, especially local education, also showed significant growth. Increases in construction and nondurable-goods employment were overshadowed by reductions in most durable-goods industries, bringing employment in the goods-producing sector down 2,000 from March 1989.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $529.17 per week in March, up $10.45 from February. Their average workweek rose 0.4 hours to 42.3 hours. Almost all component industries had higher earnings due to increased overtime. The most significant were motor vehicles and equipment, iron and steel foundries, metal forgings and stampings, electric lighting and wiring equipment, and general industrial machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 45,905 in March, down 37.9 percent from February, but up 1.7 percent from March 1989. Total benefits paid fell 2.8 percent to $81.9 million. The average weekly benefit check

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

decreased $2.85 from February to $172.46. The average weekly number of benefit recipients, at 111,046, was down 9.7 percent. At the end of March, there were 206,470 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services aided 37,227 new job applicants in March, up 15.2 percent from February, but down 15.3 percent from March 1989. Job openings received from employers rose 36.3 percent from February to 9,334. The Employment Services Division made 24,373 job referrals and 3,167 placements.

Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644-2689, or write:

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1990	Feb. 1990	Mar. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,402	5,372	5,403	30	-1	.6	.0
Employment	5,107	5,061	5,116	46	-9	.9	-.2
Unemployment	295	311	287	-16	8	-5.1	2.8
Unemployment Rate	5.5	5.8	5.3				
Employer Survey Data[e]							
Total	4,905	4,892	4,817	13	88	.3	1.8
Goods–Producing Industries	1,340	1,341	1,342	-1	-2	.0	-.1
Mining	18	18	18	0	0	.3	-1.5
Coal Mining	8	8	8	0	0	.3	-1.4
Oil and Gas Extraction	6	6	6	0	0	1.5	-3.4
Construction	200	199	194	1	6	.5	3.1
General Building Contractors	49	48	48	0	1	.7	1.8
Heavy Construction, Except Building	23	23	24	0	0	-.3	-1.6
Special Trade Contractors	128	127	122	1	6	.6	4.6
Manufacturing	1,122	1,124	1,130	-2	-8	-.2	-.7
Durable Goods	749	751	760	-2	-11	-.3	-1.4
Lumber and Wood Products	23	23	22	0	1	1.0	3.5
Furniture and Fixtures	16	16	16	0	0	.4	.3
Stone, Clay, and Glass Products	46	46	46	0	0	.1	-.8
Primary Metal Industries	100	101	103	-1	-2	-.5	-2.2
Fabricated Metal Products	135	135	138	0	-3	-.2	-2.0
Industrial Machinery and Equipment	167	168	169	-1	-2	-.6	-1.1
Electronic and Other Electric Equipment	78	79	80	0	-2	-.4	-2.0
Transportation Equipment	142	142	144	0	-2	.1	-1.5
Instruments and Related Products	26	27	27	0	0	-1.0	-1.6
Nondurable Goods	373	373	370	0	3	.1	.9
Food and Kindred Products	64	65	63	0	1	-.6	1.3
Apparel and Other Textile Products	15	15	16	0	-1	.1	-3.9
Paper and Allied Products	38	38	37	0	0	-.1	1.2
Printing and Publishing	75	75	74	0	2	.1	2.2
Chemicals and Allied Products	66	66	65	0	1	-.1	1.2
Rubber and Misc. Plastics Products	96	95	97	1	0	1.0	-.3
Service–Producing Industries	3,564	3,551	3,475	13	89	.4	2.6
Transportation and Public Utilities	220	219	215	1	4	.3	2.0
Transportation	129	128	125	1	4	.7	3.2
Communications, Electric, Gas Services	91	91	90	0	0	-.2	.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Mar. 1990	Feb. 1990	Mar. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	270	269	262	1	7	.2	2.8
Wholesale Trade-Durable Goods	171	170	167	1	4	.3	2.5
Wholesale Trade-Nondurable Goods	99	99	96	0	3	.1	3.2
Retail Trade	934	931	905	4	29	.4	3.2
Building Materials and Garden Supplies	36	36	35	0	2	.6	4.9
General Merchandise Stores	128	128	127	1	1	.4	1.0
Food Stores	144	143	139	0	5	.3	3.3
Automotive Dealers and Service Stations	102	102	98	0	4	.3	3.8
Apparel and Accessory Stores	51	50	48	0	3	.9	6.5
Furniture and Homefurnishings Stores	33	33	31	0	1	.2	4.1
Eating and Drinking Places	320	319	313	1	6	.3	2.0
Miscellaneous Retail	121	121	114	1	7	.6	6.5
Finance, Insurance, and Real Estate	258	257	252	1	5	.3	2.1
Finance	121	121	119	0	1	.2	1.2
Depository Institutions	91	91	91	0	0	.1	.5
Insurance	93	92	91	0	2	.5	2.5
Real Estate	44	44	42	0	2	.3	3.8
Services	1,167	1,159	1,137	8	30	.7	2.6
Hotels and Other Lodging Places	39	38	39	0	-1	.8	-1.6
Personal Services	55	55	54	0	1	.3	1.1
Business Services	213	211	202	2	11	1.0	5.4
Amusements, Including Motion Pictures	55	53	58	1	-3	2.6	-5.6
Health Services	393	392	382	1	11	.3	3.0
Legal Services	30	30	28	0	1	.3	5.0
Educational Services	61	60	62	1	-1	2.1	-.9
Social Services	74	74	72	0	2	.5	3.2
Membership Organizations	80	80	77	0	2	.2	3.1
Engineering and Management Services	87	87	86	0	1	.1	1.3
Government	716	717	703	0	13	-.1	1.9
Federal Government	96	96	96	0	0	.0	.3
State Government	161	163	157	-1	4	-.8	2.5
State Government Education	84	85	82	-1	2	-1.3	2.5
Local Government	459	458	449	1	9	.2	2.0
Local Government Education	268	268	261	0	7	.2	2.6

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

Civilian Labor Force			Unemployment Rates			Nonagricultural Employment				
							Goods-Producing Employment			
Total	Employed	Unemployed	Ohio	U.S.		Total	Total	Mining	Construction	Manufacturing
					1988					
5,368	4,969	399	7.4	5.7	March	4,652	1,300	19	184	1,096
5,310	4,977	333	6.3	5.5	April	4,684	1,314	19	190	1,105
5,278	4,957	321	6.1	5.6	May	4,689	1,312	19	188	1,105
5,289	4,981	308	5.8	5.4	June	4,707	1,316	19	188	1,109
5,294	5,000	294	5.6	5.5	July	4,713	1,319	19	186	1,114
5,311	5,007	304	5.7	5.6	August	4,713	1,317	19	186	1,112
5,283	4,966	317	6.0	5.4	September	4,727	1,320	19	186	1,115
5,333	5,038	295	5.5	5.3	October	4,732	1,322	18	184	1,119
5,362	5,063	299	5.6	5.3	November	4,745	1,325	18	186	1,121
5,350	5,060	290	5.4	5.3	December	4,761	1,329	18	188	1,123
					1989					
5,399	5,078	321	5.9	5.4	January	4,775	1,338	18	191	1,128
5,386	5,109	277	5.1	5.2	February	4,796	1,340	18	194	1,128
5,403	5,116	287	5.3	5.0	March	4,817	1,342	18	194	1,130
5,374	5,090	284	5.3	5.3	April	4,791	1,336	18	193	1,125
5,409	5,116	293	5.4	5.2	May	4,795	1,332	18	190	1,125
5,445	5,142	303	5.6	5.3	June	4,809	1,335	18	192	1,126
5,420	5,124	296	5.5	5.3	July	4,809	1,325	15	192	1,118
5,427	5,162	265	4.9	5.3	August	4,828	1,335	18	193	1,124
5,441	5,153	288	5.3	5.3	September	4,835	1,334	18	193	1,122
5,462	5,135	327	6.0	5.3	October	4,834	1,324	18	194	1,112
5,415	5,081	334	6.2	5.3	November	4,850	1,332	18	196	1,119
5,442	5,110	332	6.1	5.3	December	4,862	1,334	18	197	1,119
					1990					
5,426	5,060	366	6.7	5.3	January	4,848	1,312	18	198	1,097
5,372	5,061	311	5.8	5.3	February	4,892	1,341	18	199	1,124
5,402	5,107	295	5.5	5.2	March	4,905	1,340	18	200	1,122

Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,353	210	March	253	871	248	March	1,079	692
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,564	220	March	270	934	258	March	1,167	716

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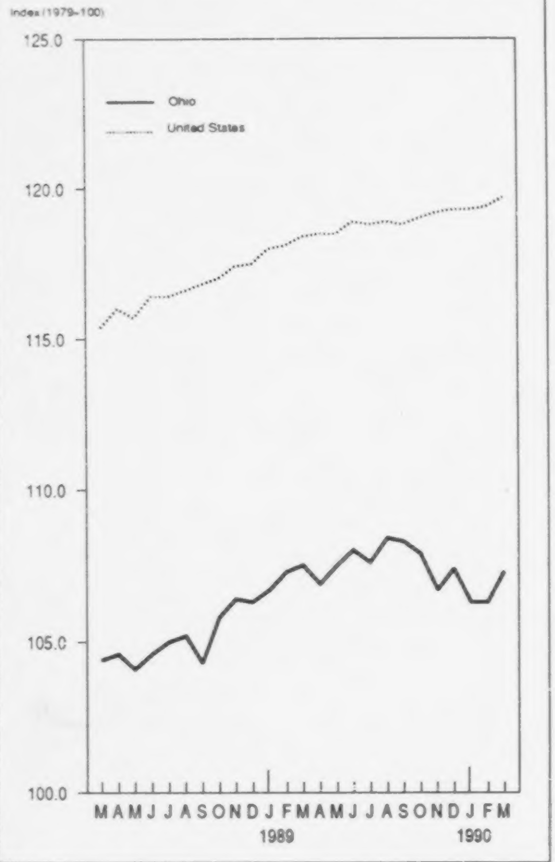
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

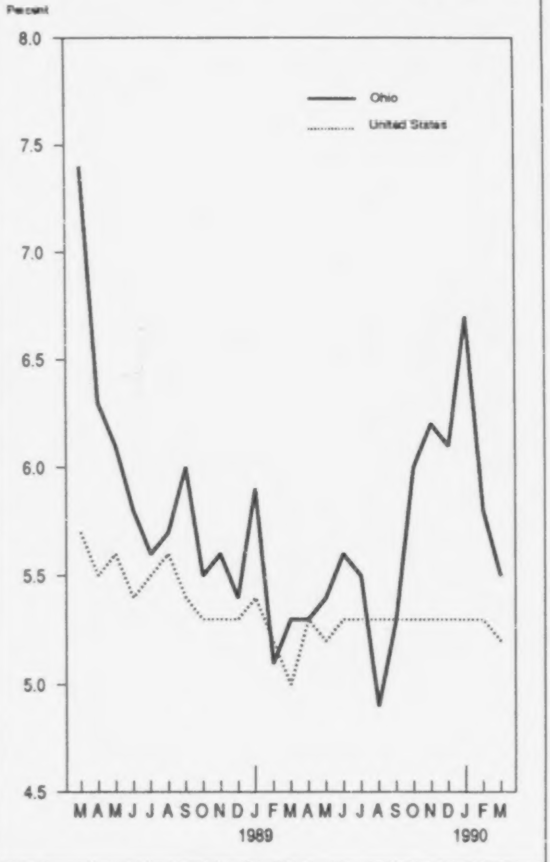
Indexes of Total Employment

Ohio and U.S. (Seasonally Adjusted)



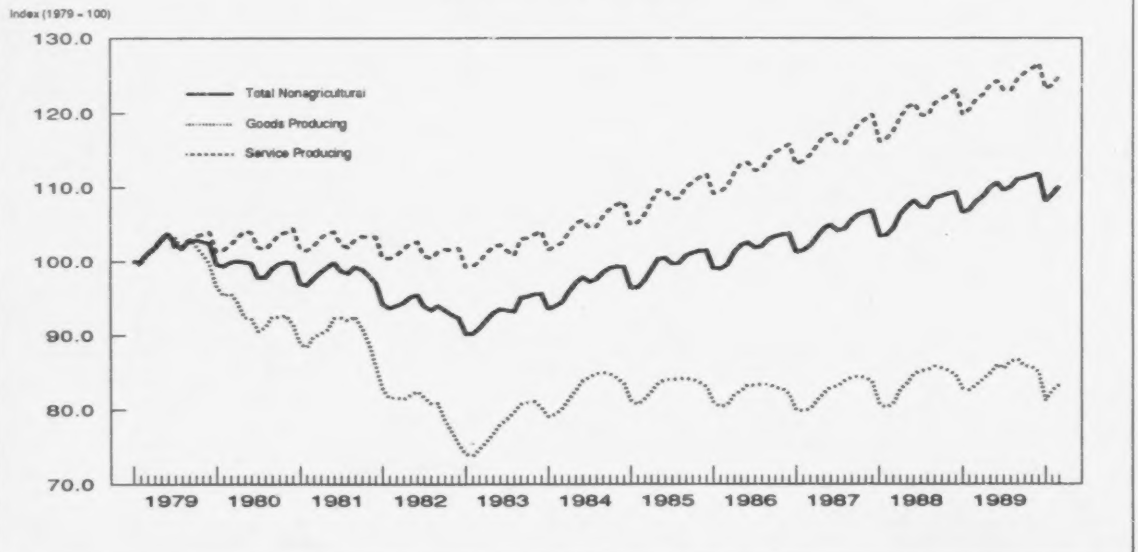
Unemployment Rates

Ohio and U.S. (Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment

(Not Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,351	5,043	308	5.8	5.2	March
5,333	5,066	268	5.0	5.1	April
5,393	5,117	276	5.1	5.0	May
5,505	5,184	320	5.8	5.5	June
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1979	4,484.8	1,596.8	31.6	182.9	1,382.3
1980	4,367.4	1,462.5	30.7	167.4	1,264.3
1981	4,317.7	1,417.0	30.7	153.7	1,232.6
1982	4,124.3	1,264.8	30.3	134.6	1,099.9
1983	4,092.5	1,223.4	26.6	130.8	1,066.0
1984	4,260.2	1,299.7	27.8	144.8	1,127.0
1985	4,372.9	1,304.3	26.1	154.0	1,124.2
1986	4,471.4	1,293.1	22.6	160.7	1,109.8
1987	4,582.6	1,296.2	20.9	176.4	1,098.9
1988	4,700.6	1,315.1	18.9	185.6	1,110.6
1989	4,817.2	1,333.9	17.8	193.1	1,123.0
1989					
March	4,746.9	1,309.3	17.7	169.0	1,122.6
April	4,777.0	1,320.5	17.8	181.5	1,121.2
May	4,827.0	1,333.3	17.8	191.3	1,124.2
June	4,858.3	1,351.4	18.1	201.8	1,131.5
July	4,815.3	1,343.2	15.4	209.6	1,118.2
August	4,830.3	1,358.7	18.5	212.3	1,128.0
September	4,877.8	1,361.7	18.5	211.8	1,131.4
October	4,885.7	1,347.1	18.6	212.3	1,116.3
November	4,900.8	1,346.8	18.3	205.5	1,123.0
December	4,909.6	1,335.6	18.1	195.8	1,121.7
1990					
January	4,752.1	1,275.5	17.6	170.6	1,087.3
February	4,790.2	1,297.3	17.3	166.2	1,113.8
March	4,834.1	1,307.2	17.4	174.7	1,115.1

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,437.6	211.1	March	260.4	877.8	249.8	March	1,118.2	720.3
3,456.5	212.8	April	260.3	886.2	249.4	April	1,131.3	716.6
3,493.6	215.1	May	262.4	899.5	251.2	May	1,142.5	723.0
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,526.9	215.1	March	267.6	906.7	255.1	March	1,148.2	734.2

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)	
1,382.3	978.1	404.2	**1979**
1,264.3	880.3	384.1	**1980**
1,232.6	858.2	374.4	**1981**
1,099.9	750.5	349.4	**1982**
1,066.0	721.9	344.1	**1983**
1,127.0	771.7	355.4	**1984**
1,124.2	767.0	357.3	**1985**
1,109.8	751.0	358.8	**1986**
1,098.9	738.9	360.0	**1987**
1,110.6	747.3	363.4	**1988**
1,123.0	753.2	369.8	**1989**
			1989
1,122.6	756.8	365.8	**March**
1,121.2	755.2	366.0	**April**
1,124.2	756.5	367.7	**May**
1,131.5	759.8	371.7	**June**
1,118.2	748.2	370.0	**July**
1,128.0	754.9	373.1	**August**
1,131.4	755.5	375.9	**September**
1,116.3	742.1	374.2	**October**
1,123.0	749.5	373.5	**November**
1,121.7	750.0	371.7	**December**
			1990
1,087.3	719.3	368.0	**January**
1,113.8	745.8	368.0	**February**
1,115.1	746.1	368.9	**March**

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1979	979.0	$318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.5	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	762.3	393.0	32.8
1989	770.6	403.4	32.9
1989			
March	770.7	404.7	33.1
April	769.7	401.3	32.9
May	771.7	403.0	33.0
June	776.5	409.1	33.3
July	767.2	390.9	32.1
August	774.0	398.2	32.6
September	776.2	408.6	33.1
October	765.6	398.9	32.5
November	770.4	405.9	32.9
December	769.6	405.9	32.8
1990			
January	735.8	376.7	30.9
February	761.0	394.7	31.9
March	762.0	403.2	32.2

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods	
$325.36	$335.30	$297.78	**1979**
347.94	358.57	319.99	**1980**
389.78	401.64	358.16	**1981**
403.81	414.80	378.95	**1982**
437.18	452.35	402.52	**1983**
463.61	482.38	417.83	**1984**
477.96	499.56	425.80	**1985**
486.68	507.95	439.71	**1986**
499.70	519.52	455.03	**1987**
515.57	538.16	466.31	**1988**
523.50	542.23	478.19	**1989**
			1989
525.10	548.97	471.33	**March**
521.37	541.73	473.82	**April**
522.22	543.02	473.10	**May**
526.81	546.88	481.74	**June**
509.50	526.23	474.44	**July**
514.46	530.02	478.40	**August**
526.49	545.67	484.15	**September**
521.10	539.30	482.69	**October**
526.92	545.24	484.68	**November**
527.39	546.12	485.62	**December**
			1990
511.98	524.15	485.72	**January**
518.72	536.36	478.67	**February**
529.17	550.40	482.65	**March**

Production Worker Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1989	42.7	43.0	41.8
1989			
March	42.9	43.5	41.6
April	42.7	43.2	41.6
May	42.7	43.2	41.5
June	42.9	43.3	42.0
July	41.9	42.2	41.4
August	42.1	42.3	41.6
September	42.7	43.0	42.1
October	42.4	42.7	41.9
November	42.7	43.0	42.0
December	42.6	42.9	41.9
1990			
January	42.0	42.1	41.8
February	41.9	42.2	41.3
March	42.3	42.7	41.5

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1979	$7.84	$8.06	$7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	11.99	12.40	11.05
1989	12.26	12.61	11.44
1989			
March	12.24	12.62	11.33
April	12.21	12.54	11.39
May	12.23	12.57	11.40
June	12.28	12.63	11.47
July	12.16	12.47	11.46
August	12.22	12.53	11.50
September	12.33	12.69	11.50
October	12.29	12.63	11.52
November	12.34	12.68	11.54
December	12.38	12.73	11.59
1990			
January	12.19	12.45	11.62
February	12.38	12.71	11.59
March	12.51	12.89	11.63

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.3	102.8	137.3	March	168.7	79.8	144.0	March	61.5	73.3	96.0
45.4	103.2	136.5	April	167.8	78.9	144.8	April	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.6	134.6	March	167.0	78.2	141.7	March	62.4	74.8	95.8

Average Weekly Earnings of Production Workers

$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.57
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
475.25	621.72	509.22	March	542.68	459.95	723.31	March	448.93	454.31	441.42
478.08	624.34	509.65	April	538.46	457.60	683.55	April	455.20	448.84	444.37
473.45	620.64	514.61	May	537.34	457.19	692.19	May	454.69	446.18	450.71
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
482.38	618.49	516.11	March	535.62	462.26	722.35	March	458.97	470.04	446.78

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	4834.1	4790.2	4746.9	43.9	87.2
Goods-Producing Industries	1307.2	1297.3	1309.3	9.9	-2.1
Mining	17.4	17.3	17.7	.2	-.2
Coal Mining	7.5	7.5	7.6	.0	-.1
Oil and Gas Extraction	5.5	5.6	5.7	-.1	-.2
Construction	174.7	166.2	169.0	8.5	5.7
General Building Contractors	43.9	42.2	43.1	1.7	.8
Nonresidential Building Construction	22.4	21.4	22.7	1.0	-.3
Heavy Construction, Except Building	17.3	15.5	17.5	1.8	-.3
Highway and Street Construction	4.7	3.9	4.7	.8	.0
Special Trade Contractors	113.5	108.5	108.4	5.0	5.1
Manufacturing	1115.1	1113.8	1122.6	1.2	-7.5
Durable Goods[f]	746.1	745.8	756.8	.3	-10.7
Lumber and Wood Products	22.5	21.9	21.7	.5	.8
Millwork, Plywood and Structural Members	10.0	9.6	9.7	.4	.3
Furniture and Fixtures	15.7	15.5	15.7	.2	.1
Stone, Clay, and Glass Products	45.0	44.3	45.3	.7	-.3
Primary Metal Industries	100.6	100.7	102.8	-.1	-2.3
Blast Furnace and Basic Steel Products	46.4	46.8	46.3	-.4	.1
Iron and Steel Foundries	20.4	20.1	20.9	.3	-.5
Nonferrous Rolling and Drawing	16.2	16.0	17.5	.2	-1.3
Nonferrous Foundries	10.5	10.6	10.8	-.1	-.4
Fabricated Metal Products	134.6	134.2	137.3	.3	-2.7
Fabricated Structural Metal Products	29.5	29.7	29.8	-.2	-.3
Metal Forgings and Stampings	38.9	38.6	40.2	.3	-1.4
Industrial Machinery and Equipment	167.0	167.2	168.7	-.2	-1.7
Construction and Related Machinery	14.5	14.5	13.8	.0	.7
Metalworking Machinery	47.2	47.2	47.9	.0	-.7
Special Industry Machinery	17.4	17.4	17.4	.0	.0
General Industrial Machinery	25.7	25.9	26.5	-.2	-.8
Computer and Office Equipment	11.2	11.2	11.9	.0	-.7
Refrigeration and Service Machinery	15.6	15.5	16.3	.1	-.6
Electronic and Other Electric Equipment	78.2	78.5	79.8	-.3	-1.6
Electrical Industrial Apparatus	12.3	12.5	12.8	-.1	-.5
Household Appliances	15.9	15.8	15.2	.0	.6
Electric Lighting and Wiring Equipment	16.5	16.5	16.6	.0	-.2
Electronic Components and Accessories	11.4	11.3	11.5	.1	-.1
Transportation Equipment	141.7	142.1	144.0	-.3	-2.2
Motor Vehicles and Equipment	96.0	96.3	99.0	-.3	-3.0
Aircraft and Parts	36.8	36.8	36.3	.0	.5
Instruments and Related Products	26.1	26.4	26.6	-.3	-.4
Measuring and Controlling Devices	16.0	16.0	16.3	.0	-.3
Nondurable Goods[g]	368.9	368.0	365.8	.9	3.2
Food and Kindred Products	62.4	62.5	61.5	-.1	.8
Dairy Products	10.3	10.2	9.9	.1	.4
Preserved Fruits and Vegetables	10.8	10.8	10.3	.1	.5
Bakery Products	9.5	9.5	9.3	-.1	.2
Apparel and Other Textile Products	15.1	15.0	15.7	.1	-.6
Paper and Allied Products	37.6	37.7	37.2	-.1	.4
Paperboard Containers and Boxes	13.8	13.9	13.3	-.1	.5
Miscellaneous Converted Paper Products	12.2	12.1	12.2	.1	.0
Printing and Publishing	74.8	74.8	73.3	.0	1.5
Newspapers	19.1	19.2	18.7	-.1	.4
Commercial Printing	27.4	27.3	26.9	.1	.5
Chemicals and Allied Products	65.5	65.4	64.7	.1	.8
Plastics Materials and Synthetics	9.7	9.7	9.6	.0	.1
Rubber and Miscellaneous Plastics Products	95.8	94.9	96.0	.9	-.2
Tires and Inner Tubes	15.8	15.8	15.3	.0	.5
Miscellaneous Plastics Products	58.0	57.0	57.8	1.0	.2
Service-Producing Industries	3526.9	3492.9	3437.6	34.0	89.4
Transportation and Public Utilities	215.1	213.7	211.1	1.5	4.0
Transportation	125.2	123.6	121.5	1.6	3.8
Railroad Transportation	11.8	11.8	12.6	.0	-.8
Trucking and Warehousing	75.1	74.3	73.3	.8	1.8
Transportation by Air	14.0	14.0	12.9	.1	1.1
Communications, Electric, Gas Services	89.9	90.0	89.7	-.2	.2
Communications	46.7	46.9	47.4	-.2	-.7
Electric, Gas, and Sanitary Services	43.2	43.2	42.3	.0	.9

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Wholesale Trade	267.6	266.2	260.4	1.4	7.2
Wholesale Trade-Durable Goods	169.7	168.8	165.5	.9	4.2
Motor Vehicles, Parts, and Supplies	22.9	22.7	22.6	.1	.2
Professional and Commercial Equipment	32.8	32.7	31.7	.1	1.0
Metals and Minerals, Except Petroleum	11.2	11.2	11.4	.0	-.2
Electrical Goods	18.7	18.7	18.3	.0	.3
Hardware, Plumbing and Heating Equipment	12.8	12.7	12.4	.1	.4
Machinery, Equipment, and Supplies	42.7	42.4	41.3	.3	1.4
Wholesale Trade-Nondurable Goods	97.9	97.4	94.9	.5	3.0
Groceries and Related Products	32.4	32.1	31.3	.2	1.1
Retail Trade	906.7	897.5	877.8	9.2	28.9
Building Materials and Garden Supplies	34.3	32.9	32.7	1.4	1.6
Lumber and Other Building Materials	17.3	16.7	16.7	.6	.6
General Merchandise Stores	123.5	123.6	122.2	-.1	1.3
Department Stores	100.5	100.9	98.8	-.3	1.7
Variety Stores	13.5	13.4	13.6	.2	.0
Food Stores	140.9	140.5	136.4	.4	4.5
Grocery Stores	124.8	124.6	120.5	.2	4.3
Automotive Dealers and Service Stations	100.4	99.5	96.6	.9	3.8
New and Used Car Dealers	44.6	44.1	43.4	.5	1.2
Gasoline Service Stations	35.1	35.0	32.6	.1	2.5
Apparel and Accessory Stores	49.4	48.9	46.4	.5	3.0
Furniture and Homefurnishings Stores	32.4	32.4	31.1	.0	1.3
Eating and Drinking Places	306.8	301.4	300.8	5.4	6.0
Miscellaneous Retail	118.9	118.3	111.5	.6	7.4
Drug Stores and Proprietary Stores	31.8	31.6	29.7	.2	2.0
Nonstore Retailers	23.2	23.1	21.7	.1	1.5
Finance, Insurance, and Real Estate	255.1	253.8	249.8	1.4	5.3
Finance	120.5	120.1	119.0	.4	1.5
Depository Institutions	90.6	90.4	90.1	.2	.5
Commercial Banks	63.9	63.7	62.7	.3	1.2
Insurance	92.7	92.1	90.4	.5	2.2
Insurance Carriers	70.8	70.4	69.4	.4	1.4
Life Insurance	25.9	25.9	25.8	.1	.1
Fire, Marine, and Casualty Insurance	31.6	31.3	30.2	.3	1.3
Real Estate	42.0	41.6	40.5	.4	1.5
Services	1148.2	1133.2	1118.2	15.1	30.1
Hotels and Other Lodging Places	36.7	36.3	37.3	.4	-.6
Personal Services	55.8	55.3	55.1	.5	.7
Business Services	208.4	205.1	197.7	3.3	10.7
Services to Buildings	32.8	32.4	31.4	.4	1.4
Personnel Supply Services	70.7	68.1	66.5	2.6	4.2
Computer and Data Processing Services	27.0	27.0	24.6	.0	2.4
Amusements, Including Motion Pictures	44.3	40.9	46.9	3.5	-2.6
Health Services	390.5	389.2	379.3	1.3	11.2
Nursing and Personal Care Facilities	84.8	84.6	82.1	.3	2.8
Hospitals	189.6	189.2	185.4	.4	4.3
Legal Services	29.3	29.2	28.0	.2	1.4
Educational Services	66.3	65.5	66.9	.8	-.6
Colleges and Universities	37.9	37.3	38.7	.5	-.9
Social Services	74.2	73.6	71.9	.6	2.3
Residential Care	22.7	22.6	21.7	.1	1.1
Membership Organizations	79.5	78.7	77.1	.8	2.4
Engineering and Management Services	86.3	85.9	85.2	.4	1.1
Engineering and Architectural Services	26.2	26.1	25.4	.1	.8
Accounting, Auditing, and Bookkeeping	22.1	22.1	21.9	.0	.1
Research and Testing Services	18.7	18.7	18.5	.1	.2
Management and Public Relations	19.3	19.0	19.4	.3	-.1
Government	734.2	728.6	720.3	5.6	13.9
Federal Government	95.8	95.7	95.5	.0	.3
U.S. Postal Service	34.0	34.0	34.9	.0	-1.0
State Government	170.0	167.3	165.9	2.8	4.2
State Government Hospitals	16.1	16.0	15.6	.1	.5
State Government Education[h]	93.4	91.5	91.0	1.9	2.4
Local Government	468.4	465.6	459.0	2.8	9.4
Local Government Hospitals	14.8	14.8	14.3	.0	.5
Local Government Education	281.7	279.8	274.5	1.8	7.2

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Goods-Producing Industries	$545.16	$531.20	$531.29	42.0	41.5	42.3	$12.98	$12.80	$12.56
Mining	622.27	614.88	574.16	44.8	44.3	43.3	13.89	13.88	13.26
Coal Mining	756.32	761.36	700.77	44.7	45.4	42.6	16.92	16.77	16.45
Construction	629.64	596.71	596.28	39.7	38.3	39.1	15.86	15.58	15.25
General Building Contractors	559.47	548.57	525.33	40.6	40.1	39.0	13.78	13.68	13.47
Heavy Construction, Except Building	573.78	539.78	756.43	37.6	36.3	43.8	15.26	14.87	17.27
Special Trade Contractors	661.48	620.16	594.03	39.8	38.0	38.3	16.62	16.32	15.51
Manufacturing	529.17	518.72	525.10	42.3	41.9	42.9	12.51	12.38	12.24
Durable Goods[f]	550.40	536.36	548.97	42.7	42.2	43.5	12.89	12.71	12.62
Lumber and Wood Products	329.83	313.05	320.39	39.5	38.6	40.2	8.35	8.11	7.97
Millwork, Plywood and Structural Members	371.70	340.23	352.80	42.0	40.6	41.9	8.85	8.38	8.42
Furniture and Fixtures	384.71	387.20	367.93	41.5	41.5	40.7	9.27	9.33	9.04
Stone, Clay, and Glass Products	482.38	476.86	475.25	42.5	42.2	42.7	11.35	11.30	11.13
Primary Metal Industries	618.49	601.51	621.72	43.1	42.6	44.6	14.35	14.12	13.94
Blast Furnace and Basic Steel Products	619.05	617.19	645.75	42.9	43.1	45.0	14.43	14.32	14.35
Iron and Steel Foundries	685.95	625.82	647.36	44.6	42.4	44.8	15.38	14.76	14.45
Nonferrous Rolling and Drawing	639.98	630.74	631.76	40.2	40.2	41.7	15.92	15.69	15.15
Nonferrous Foundries	474.82	449.83	479.44	44.5	42.8	46.1	10.67	10.51	10.40
Fabricated Metal Products	516.11	505.44	509.22	42.2	41.6	42.4	12.23	12.15	12.01
Fabricated Structural Metal Products	458.81	456.92	435.11	41.9	41.5	40.4	10.95	11.01	10.77
Metal Forgings and Stampings	643.50	625.19	639.13	42.9	42.1	44.2	15.00	14.85	14.46
Industrial Machinery and Equipment	535.62	532.16	542.68	43.3	43.3	44.3	12.37	12.29	12.25
Construction and Related Machinery	447.68	471.13	438.13	39.9	41.4	41.1	11.22	11.38	10.66
Metalworking Machinery	525.98	530.58	528.35	44.2	44.4	44.7	11.90	11.95	11.82
Special Industry Machinery	526.42	526.68	519.14	44.2	44.0	45.3	11.91	11.97	11.46
General Industrial Machinery	586.22	557.40	584.77	43.2	42.1	44.2	13.57	13.24	13.23
Computer and Office Equipment	474.61	462.45	448.14	42.3	41.7	40.3	11.22	11.09	11.12
Refrigeration and Service Machinery	556.77	544.64	631.51	40.2	39.9	44.1	13.85	13.65	14.32
Electronic and Other Electric Equipment	462.26	464.80	459.95	41.2	41.5	41.4	11.22	11.20	11.11
Electrical Industrial Apparatus	444.36	447.74	451.10	42.0	42.4	43.5	10.58	10.56	10.37
Household Appliances	485.21	515.81	479.53	40.3	41.8	39.5	12.04	12.34	12.14
Electric Lighting and Wiring Equipment	507.52	472.40	478.67	41.6	40.0	41.3	12.20	11.81	11.59
Electronic Components and Accessories	333.34	339.06	360.73	40.9	41.5	41.8	8.15	8.17	8.63
Transportation Equipment	722.35	683.12	723.31	44.7	43.4	46.1	16.16	15.74	15.69
Motor Vehicles and Equipment	749.11	700.35	758.16	45.1	43.5	46.8	16.61	16.10	16.20
Aircraft and Parts	669.73	675.14	635.19	44.5	44.8	44.7	15.05	15.07	14.21
Instruments and Related Products	390.40	377.67	382.32	40.0	39.3	40.5	9.76	9.61	9.44
Measuring and Controlling Devices	381.39	370.33	377.55	39.4	38.9	39.7	9.68	9.52	9.51
Nondurable Goods[g]	482.65	478.67	471.33	41.5	41.3	41.6	11.63	11.59	11.33
Food and Kindred Products	458.97	454.40	448.93	41.2	40.9	41.8	11.14	11.11	10.74
Dairy Products	486.60	491.89	441.41	43.1	43.3	41.8	11.29	11.36	10.56
Preserved Fruits and Vegetables	474.00	488.31	496.29	40.0	41.0	42.6	11.85	11.91	11.65
Bakery Products	491.13	483.73	466.09	39.8	39.2	39.2	12.34	12.34	11.89
Apparel and Other Textile Products	307.64	297.56	303.72	38.6	38.1	38.3	7.97	7.81	7.93
Paper and Allied Products	507.20	502.43	496.87	43.8	43.5	43.7	11.58	11.55	11.37
Paperboard Containers and Boxes	437.14	430.68	427.23	42.4	42.1	42.3	10.31	10.23	10.10
Miscellaneous Converted Paper Products	487.23	477.30	448.05	44.7	44.4	43.5	10.90	10.75	10.30
Printing and Publishing	470.04	471.22	454.31	39.8	39.9	39.3	11.81	11.81	11.56
Newspapers	402.00	381.29	371.84	34.3	33.3	33.2	11.72	11.45	11.20
Commercial Printing	477.92	482.89	454.72	41.2	41.7	40.6	11.60	11.58	11.20
Chemicals and Allied Products	601.34	586.28	577.23	42.8	42.3	42.6	14.05	13.86	13.55
Plastics Materials and Synthetics	673.42	662.72	666.32	43.7	43.6	44.6	15.41	15.20	14.94
Rubber and Miscellaneous Plastics Products	446.78	442.90	441.42	41.6	41.2	42.0	10.74	10.75	10.51
Tires and Inner Tubes	724.36	719.59	693.73	45.5	45.4	45.7	15.92	15.85	15.18
Miscellaneous Plastics Products	426.40	424.09	426.59	41.0	40.7	41.7	10.40	10.42	10.23
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	616.77	624.76	568.83	41.9	42.1	40.4	14.72	14.84	14.08
Communications	550.29	558.69	535.86	39.0	39.4	39.2	14.11	14.18	13.67
Electric, Gas, and Sanitary Services	692.92	702.60	606.52	45.2	45.3	41.8	15.33	15.51	14.51
Wholesale Trade	414.22	411.06	397.41	39.3	39.0	39.0	10.54	10.54	10.19
Wholesale Trade-Durable Goods	408.58	405.47	387.66	39.4	39.1	39.0	10.37	10.37	9.94
Motor Vehicles, Parts, and Supplies	356.24	352.64	329.30	38.1	38.0	37.0	9.35	9.28	8.90
Metals and Minerals, Except Petroleum	478.41	481.92	442.47	42.3	42.2	42.1	11.31	11.42	10.51
Wholesale Trade-Nondurable Goods	423.84	421.29	414.85	39.1	38.9	39.1	10.84	10.83	10.61

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

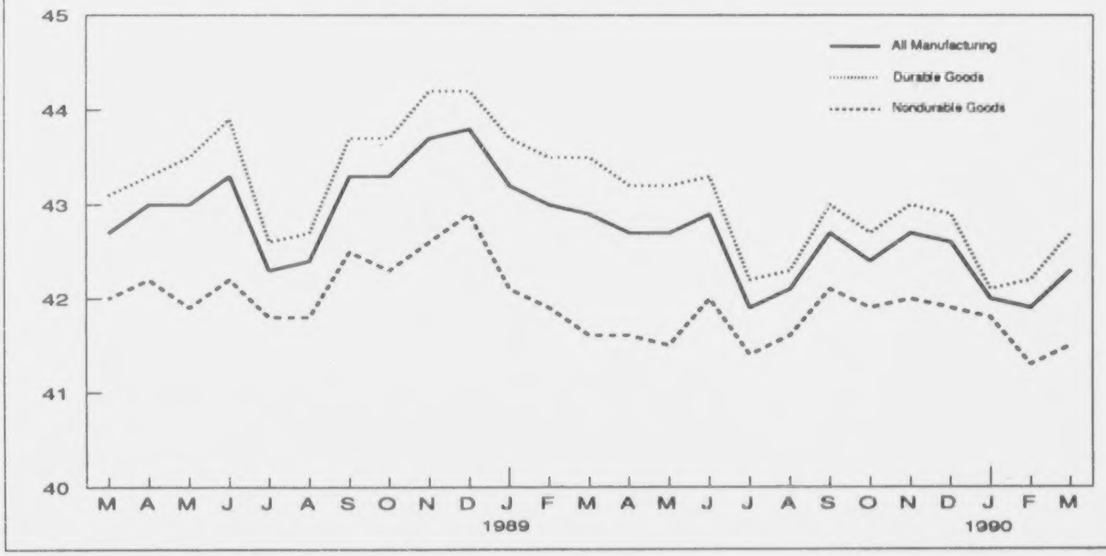
Not Seasonally Adjusted

Ohio (continued)

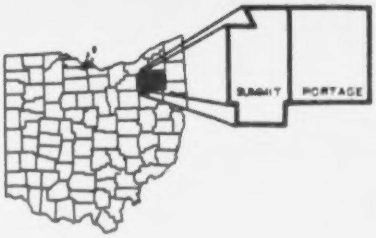
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Retail Trade[i]	$175.34	$173.80	$172.06	27.7	27.5	28.3	$6.33	$6.32	$6.08
General Merchandise Stores	189.61	184.92	177.31	28.3	27.6	28.1	6.70	6.70	6.31
Department Stores	193.69	188.78	183.90	28.4	27.6	28.6	6.82	6.84	6.43
Finance, Insurance, and Real Estate	350.67	352.64	341.90	....	....	....	.....	.....	.....
Finance	326.42	325.81	316.09	....	....	....	.....	.....	.....
Depository Institutions	279.70	279.61	270.02	....	....	....	.....	.....	.....
Commercial Banks	277.24	278.05	269.65	....	....	....	.....	.....	.....
Insurance	414.41	417.21	403.23	....	....	....	.....	.....	.....
Insurance Carriers	402.86	402.64	391.58	....	....	....	.....	.....	.....
Life Insurance	371.30	370.75	364.07	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	435.99	435.58	408.46	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	234.00	236.52	209.19	32.5	32.4	31.6	7.20	7.30	6.62
Health Services	308.39	307.41	293.20	31.5	31.4	31.8	9.79	9.79	9.22
Nursing and Personal Care Facilities	206.98	204.39	191.81	31.6	31.3	31.6	6.55	6.53	6.07
Hospitals	361.93	362.57	346.54	32.2	32.2	32.6	11.24	11.26	10.63
Engineering and Management Services	494.93	490.82	437.78	36.1	35.8	36.3	13.71	13.71	12.06
Engineering and Architectural Services	693.72	681.03	606.53	33.4	32.9	35.1	20.77	20.70	17.28
Research and Testing Services	391.28	388.19	346.37	37.3	36.9	35.2	10.49	10.52	9.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [f]Includes miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



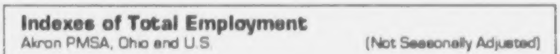
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

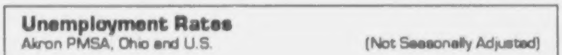


Nonagricultural payroll employment in the Akron metropolitan area totaled 285,400 in March 1990, increasing 2,700 above the February level. Service-producing industries gained 2,000 due to more business in services and retail trade. Employment in goods-producing industries, at 77,000, added 700 jobs over the month. Modest improvements occurred in durable-goods manufacturing, especially fabricated metal products, and in construction. Factory production workers averaged $11.73 per hour, up 5 cents from February. Their average workweek of 42.7 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 6,600 between March 1989 and March 1990. Most of the gain occurred in service-producing industries. Noteworthy expansion was recorded in services (+3,700) and retail trade (+1,200). Scattered increases in manufacturing raised employment in goods-producing industries 300 over the year. Growth in rubber and miscellaneous plastics products, particularly tires and inner tubes, and in industrial machinery and equipment more than offset a decline in transportation equipment.

Seasonally adjusted employment in the Akron area was unchanged from February at 288,000 in March 1990. An increase in services was counterbalanced by a decline in government. Since March 1989, total payroll employment advanced 6,000. Noteworthy growth occurred in services, retail trade, and finance, insurance, and real estate.


Indexes of Total Employment
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
329.5	310.3	19.2	5.8	March	278.8	67.5	39.5	495.62	42.8	11.58
328.8	312.4	16.4	5.0	April	281.2	67.7	39.8	493.85	42.5	11.62
332.8	316.2	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
328.4	308.3	20.1	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
INA	INA	INA	INA	March	285.4	67.8	38.8	500.87	42.7	11.73

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
282	79	10	68	March	203	13	16	55	10	65	44
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	209	13	16	57	11	69	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	285.4	282.7	278.8	2.7	6.6
Goods-Producing Industries[e]	77.0	76.3	76.7	.7	.3
Construction	8.6	8.4	8.6	.2	-.1
Manufacturing	67.8	67.3	67.5	.5	.3
Durable Goods[f]	34.8	34.4	34.7	.3	.1
Fabricated Metal Products	11.1	10.8	11.0	.3	.1
Fabricated Structural Metal Products	4.8	4.8	4.7	.0	.1
Industrial Machinery and Equipment	10.1	10.2	9.9	.0	.2
Metalworking Machinery	3.9	3.9	3.7	.0	.2
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.9	4.9	5.3	.0	-.4
Nondurable Goods[g]	33.1	32.9	32.8	.2	.3
Food and Kindred Products	3.0	3.0	3.0	.0	.0
Chemicals and Allied Products	3.6	3.6	3.7	.0	-.1
Rubber and Miscellaneous Plastics Products	20.5	20.4	20.2	.1	.3
Tires and Inner Tubes	11.4	11.4	11.0	.0	.4
Service-Producing Industries	208.4	206.4	202.1	2.0	6.3
Transportation and Public Utilities	13.2	13.2	12.9	.1	.3
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.7	15.6	15.5	.1	.2
Retail Trade	55.2	54.7	54.0	.5	1.2
General Merchandise Stores	7.5	7.6	7.3	-.2	.2
Food Stores	8.9	9.0	8.7	.0	.2
Finance, Insurance, and Real Estate	10.5	10.4	10.2	.1	.3
Finance	5.3	5.3	5.2	.0	.1
Services	66.9	66.1	63.2	.9	3.7
Business Services	11.7	11.5	10.5	.2	1.1
Personnel Supply Services	3.3	3.0	2.9	.2	.4
Amusements, Including Motion Pictures	5.3	5.1	4.1	.2	1.2
Health Services	21.9	21.8	21.1	.1	.8
Nursing and Personal Care Facilities	3.9	3.8	3.5	.0	.3
Hospitals	10.9	10.9	10.8	.0	.2
Social Services	4.6	4.6	4.6	.1	.0
Engineering and Management Services	5.2	5.0	4.9	.1	.2
Government	46.8	46.4	46.3	.4	.5
Federal Government	2.4	2.4	2.4	.0	-.1
State Government	17.8	17.5	17.5	.3	.3
State Government Education[h]	15.0	14.7	14.6	.3	.4
Local Government	26.7	26.5	26.4	.2	.3
Local Government Education	14.9	14.9	14.8	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

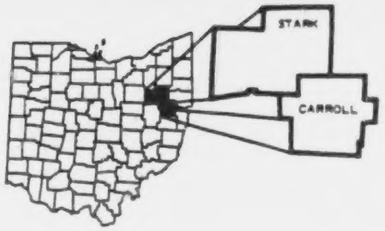
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$500.87	$496.40	$495.62	42.7	42.5	42.8	$11.73	$11.68	$11.58
Durable Goods[f]	503.86	504.18	511.37	42.7	42.8	43.3	11.80	11.78	11.81
Fabricated Metal Products	572.77	590.94	617.76	41.0	42.0	42.9	13.97	14.07	14.40
Fabricated Structural Metal Products	500.12	515.04	432.43	42.6	43.5	39.6	11.74	11.84	10.92
Industrial Machinery and Equipment	490.77	483.65	480.13	45.4	44.7	46.3	10.81	10.82	10.37
Metalworking Machinery	527.98	521.60	509.65	46.6	46.2	46.8	11.33	11.29	10.89
Electronic and Other Electric Equipment	401.60	404.09	380.24	40.0	40.9	38.8	10.04	9.88	9.80
Transportation Equipment	659.91	652.96	651.39	44.2	44.0	44.8	14.93	14.84	14.54
Nondurable Goods[g]	497.34	485.83	475.59	42.8	42.1	42.2	11.62	11.54	11.27
Food and Kindred Products	387.69	368.55	437.74	40.3	39.0	43.0	9.62	9.45	10.18
Chemicals and Allied Products	529.39	509.46	513.95	42.9	42.0	42.3	12.34	12.13	12.15
Rubber and Miscellaneous Plastics Products	486.21	494.49	469.11	42.8	43.3	42.3	11.36	11.42	11.09
Tires and Inner Tubes	802.56	803.52	822.64	48.0	48.0	50.1	16.72	16.74	16.42
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	581.60	587.32	575.71	40.0	40.2	40.6	14.54	14.61	14.18
Wholesale Trade	354.24	353.65	350.97	36.9	36.8	37.1	9.60	9.61	9.46
Retail Trade[i]	216.22	210.06	209.94	30.8	30.4	32.2	7.02	6.91	6.52
General Merchandise Stores	202.64	194.24	211.57	30.2	29.7	32.3	6.71	6.54	6.55
Food Stores	325.09	309.40	314.44	36.9	35.4	37.3	8.81	8.74	8.43
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	285.19	287.83	275.46	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

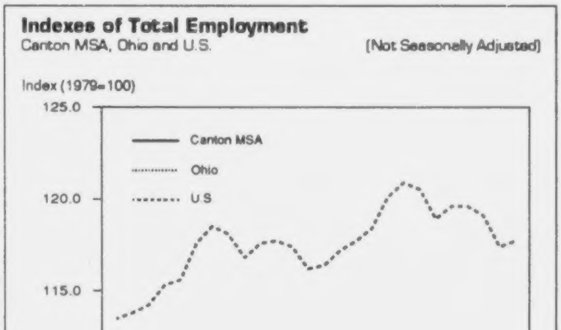
CANTON
METROPOLITAN STATISTICAL AREA

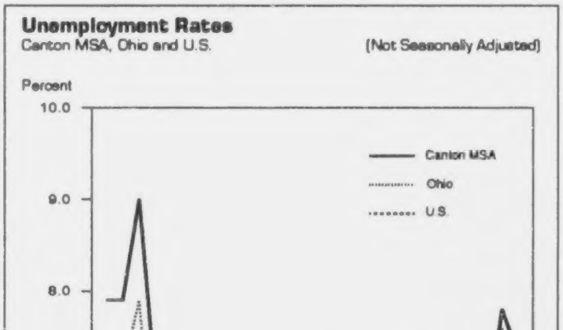


In the Canton metropolitan area, nonfarm payroll employment totaled 163,100 in March 1990, up 400 from February. More business in services helped raise employment in service-producing industries 600. The number of workers in goods-producing industries declined 200 over the month to 51,900. Lowered production in durable-goods manufacturing, especially fabricated metal products, outweighed a seasonal increase in construction. Factory production workers averaged $11.23 per hour, unchanged from February. Their average workweek remained at 42.2 hours.

Nonagricultural wage and salary employment advanced 900 between March 1989 and March 1990. Expansion in service-producing industries provided 2,200 additional jobs. Notable growth occurred in services, local government, and retail trade. Scattered declines in manufacturing lowered employment in goods-producing industries 1,300 during the period. Reductions were recorded in primary metal industries, fabricated metal products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Canton area declined 1,000 from the February level to 166,000 in March 1990. Slight decreases were recorded in manufacturing and retail trade. Since March 1989, total payroll employment increased 1,000. Improvements in service-producing industries more than offset a reduction in manufacturing.


Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	**1979**	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	**1980**	157.1	55.7	40.1	342.81	39.[illegible]	8.79
188.4	170.1	18.2	9.7	**1981**	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	**1982**	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	**1983**	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	**1984**	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	**1985**	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	**1986**	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	**1987**	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	**1988**	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	**1989**	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
191.8	179.7	12.1	6.3	**March**	162.2	46.2	33.1	464.67	41.9	11.09
190.9	180.1	10.8	5.6	**April**	163.0	46.0	33.1	469.56	42.0	11.18
193.3	182.0	11.2	5.8	**May**	164.7	46.2	33.2	470.82	42.0	11.21
196.6	184.2	12.4	6.3	**June**	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	**July**	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	**August**	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	**September**	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	**October**	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	**November**	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	**December**	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	**January**	163.1	45.5	31.8	475.45	42.3	11.24
191.5	177.5	14.0	7.3	**February**	162.7	45.4	31.8	473.91	42.2	11.23
INA	INA	INA	INA	**March**	163.1	44.9	31.3	473.91	42.2	11.23

INA – information not available
*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	**1979**	94	8	7	27	6	28	18
157	62	5	56	**1980**	95	7	7	26	6	29	19
157	61	5	55	**1981**	95	7	8	25	6	30	19
149	54	5	48	**1982**	95	6	8	26	6	30	18
143	49	4	44	**1983**	94	6	7	26	6	31	18
149	53	5	46	**1984**	97	6	8	27	6	31	18
151	53	5	46	**1985**	99	6	8	29	6	32	18
152	50	5	44	**1986**	102	6	8	30	6	33	18
156	51	6	44	**1987**	106	6	8	31	7	36	18
160	52	6	45	**1988**	108	6	8	32	7	37	19
164	53	7	46	**1989**	111	6	9	33	7	38	19
				1989							
165	55	7	47	**March**	110	6	9	33	7	38	19
164	54	7	46	**April**	110	6	8	32	7	38	19
164	54	7	46	**May**	110	6	8	32	7	38	19
164	54	7	46	**June**	110	6	8	33	7	38	19
164	53	7	46	**July**	111	6	9	33	7	38	19
164	53	7	46	**August**	111	6	8	33	7	38	19
165	53	7	46	**September**	111	6	9	33	7	38	19
160	48	7	40	**October**	112	6	9	33	7	38	19
165	53	7	46	**November**	111	6	9	33	7	38	19
166	53	7	46	**December**	112	6	9	33	7	39	19
				1990							
166	54	7	46	**January**	112	6	8	34	7	39	19
167	54	7	46	**February**	112	6	8	34	7	39	19
166	53	7	45	**March**	113	6	8	33	7	39	19

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	163.1	162.7	162.2	.4	.9
Goods-Producing Industries[e]	51.9	52.1	53.1	-.2	-1.3
Construction	6.3	5.9	6.2	.4	.1
Manufacturing	44.9	45.4	46.2	-.5	-1.4
Durable Goods[f]	33.3	33.8	34.5	-.5	-1.2
Primary Metal Industries	11.3	11.4	11.9	-.1	-.6
Fabricated Metal Products	5.9	6.1	6.5	-.2	-.6
Electronic and Other Electric Equipment	4.2	4.2	4.2	.0	.0
Nondurable Goods[g]	11.6	11.7	11.7	-.1	-.1
Food and Kindred Products	3.3	3.3	3.2	.0	.1
Rubber and Miscellaneous Plastics Products	2.9	3.0	3.2	-.1	-.3
Service-Producing Industries	111.3	110.7	109.1	.6	2.2
Transportation and Public Utilities	5.5	5.5	5.6	.1	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.3	8.3	8.5	.1	-.2
Retail Trade	32.5	32.4	31.9	.1	.6
General Merchandise Stores	3.9	4.0	4.2	-.1	-.3
Food Stores	5.5	5.5	5.4	-.1	.1
Finance, Insurance, and Real Estate	6.8	6.7	6.8	.0	.0
Finance	4.0	3.9	3.8	.0	.1
Services	38.3	38.1	37.1	.3	1.2
Health Services	15.7	15.7	15.3	.0	.4
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.3	7.3	7.1	.0	.2
Government	19.8	19.8	19.1	.0	.7
Federal Government	1.4	1.4	1.4	.0	.0
State Government (Includes Education)	1.8	1.7	1.7	.1	.1
Local Government	16.6	16.7	16.0	-.1	.6
Local Government Education	10.1	10.2	9.8	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

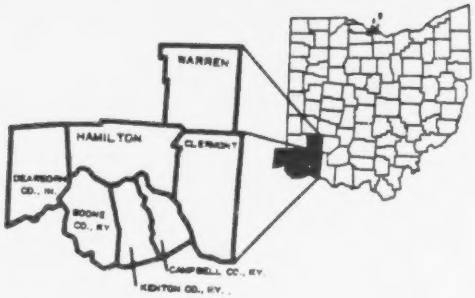
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$473.91	$473.91	$464.67	42.2	42.2	41.9	$11.23	$11.23	$11.09
Durable Goods[f]	493.91	497.08	492.06	42.8	43.0	42.9	11.54	11.56	11.47
Primary Metal Industries	536.07	514.93	516.43	45.2	44.2	45.5	11.86	11.65	11.35
Fabricated Metal Products	475.47	479.55	479.93	40.5	40.4	40.5	11.74	11.87	11.85
Electronic and Other Electric Equipment	546.31	545.79	495.74	40.8	40.7	38.4	13.39	13.41	12.91
Nondurable Goods[g]	412.08	401.37	381.22	40.4	39.7	38.9	10.20	10.11	9.80
Food and Kindred Products	411.33	413.51	371.51	39.1	38.9	37.3	10.52	10.63	9.96
Rubber and Miscellaneous Plastics Products	407.55	400.46	402.11	41.8	41.2	41.2	9.75	9.72	9.76
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	582.50	572.57	551.43	40.2	39.9	39.7	14.49	14.35	13.89
Wholesale Trade	394.39	382.31	384.80	39.4	38.5	37.8	10.01	9.93	10.18
Retail Trade[i]	172.10	171.46	163.02	28.4	28.2	28.5	6.06	6.08	5.72
General Merchandise Stores	196.61	191.81	194.06	29.7	28.8	31.0	6.62	6.66	6.26
Food Stores	167.40	165.41	156.78	27.9	27.8	27.7	6.00	5.95	5.66
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	180.89	181.40	169.92	29.8	29.4	29.5	6.07	6.17	5.76

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

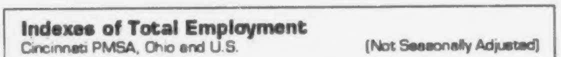
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



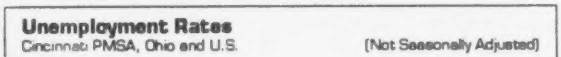
Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 7,400 above the February level to 735,400 in March 1990. Seasonal improvements in services, especially amusements, including motion pictures, and more business in retail trade increased the workforce in service-producing industries 6,400. Employment in goods-producing industries, at 181,600, added 1,000 jobs over the month. A cyclical upturn in construction overshadowed declines in durable-goods manufacturing. Factory production workers averaged $11.91 per hour, 18 cents higher than February. Their average workweek increased 0.8 hours to 43.3 hours.

Nonagricultural payroll employment advanced 22,200 between March 1989 and March 1990. Service-producing industries contributed 78.8 percent of the improvement. Primary areas of expansion were retail trade (+7,600) and services (+4,800). Noteworthy gains also occurred in transportation and public utilities, wholesale trade, and state and local government. Improvements in manufacturing and construction increased employment in goods-producing industries 4,800 above the year-ago level. Moderate growth was reported in transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 746,000 in March 1990, up 2,000 from February. Improvements in services and retail trade outweighed a modest decrease in manufacturing. Since March 1989, total payroll employment advanced 22,000. A major portion of the gain occurred in retail trade, services, and manufacturing.



Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S.
[Not Seasonally Adjusted]



Unemployment Rates
Cincinnati PMSA, Ohio and U.S.
[Not Seasonally Adjusted]

Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.9	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
765.9	731.1	34.8	4.5	March	713.1	144.8	91.4	490.14	42.4	11.56
766.4	735.6	30.8	4.0	April	717.9	144.8	91.3	494.04	42.7	11.57
774.2	740.5	33.8	4.4	May	722.9	144.7	91.3	487.90	42.5	11.48
788.4	749.3	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
793.0	759.4	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.3	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.8	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
776.2	740.1	36.1	4.7	February	727.9	149.1	93.9	498.53	42.5	11.73
INA	INA	INA	INA	March	735.4	148.4	93.1	515.70	43.3	11.91

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
724	182	35	146	March	542	39	47	141	43	183	90
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	735.4	727.9	713.1	7.4	22.2
Goods-Producing Industries[e]	181.6	180.5	176.8	1.0	4.8
Construction	32.8	31.1	31.7	1.7	1.0
Manufacturing	148.4	149.1	144.8	-.7	3.7
Durable Goods[f]	80.0	80.6	78.3	-.6	1.8
Fabricated Metal Products	12.1	12.3	12.1	-.1	.0
Fabricated Structural Metal Products	4.5	4.5	4.3	.0	.1
Industrial Machinery and Equipment	19.3	19.6	19.3	-.2	.0
Electronic and Other Electric Equipment	7.9	8.0	7.8	-.1	.1
Transportation Equipment	24.7	24.8	23.4	.0	1.3
Motor Vehicles and Equipment	4.9	5.0	5.0	-.1	-.1
Instruments and Related Products	3.6	3.7	3.4	-.1	.1
Nondurable Goods[g]	68.4	68.5	66.5	-.1	1.9
Food and Kindred Products	12.5	12.6	11.8	-.1	.7
Beverages	2.7	2.8	2.8	-.1	-.1
Apparel and Other Textile Products	3.7	3.7	3.5	-.1	.1
Paper and Allied Products	6.0	6.0	5.8	.0	.2
Printing and Publishing	14.7	14.6	14.0	.1	.7
Commercial Printing	6.5	6.4	6.1	.1	.4
Chemicals and Allied Products	22.3	22.3	22.5	.0	-.2
Rubber and Miscellaneous Plastics Products	6.5	6.5	6.5	.0	.0
Service-Producing Industries	553.8	547.4	536.3	6.4	17.5
Transportation and Public Utilities	40.3	40.1	38.3	.2	2.0
Transportation	24.0	23.8	22.5	.2	1.5
Trucking and Warehousing	10.8	10.7	10.0	.1	.8
Transportation by Air	6.4	6.3	5.9	.1	.5
Communications, Electric, Gas Services	16.3	16.3	15.8	.0	.5
Communications	9.7	9.8	9.7	.0	.0
Wholesale Trade	48.7	48.4	47.3	.4	1.4
Wholesale Trade-Durable Goods	28.8	28.7	28.4	.2	.5
Retail Trade	145.2	143.1	137.6	2.1	7.6
General Merchandise Stores	22.1	21.8	20.4	.3	1.7
Finance, Insurance, and Real Estate	42.5	42.4	42.2	.2	.4
Finance	17.3	17.3	17.2	.0	.1
Depository Institutions	13.6	13.6	13.4	.0	.2
Commercial Banks	9.5	9.5	9.3	.0	.2
Insurance	17.1	17.0	17.1	.1	.0
Insurance Carriers	14.3	14.2	14.5	.1	-.2
Life Insurance	6.8	6.7	7.0	.1	-.2
Fire, Marine, and Casualty Insurance	5.1	5.1	4.9	.1	.2
Services	183.9	180.7	179.1	3.2	4.8
Hotels and Other Lodging Places	7.3	7.1	7.1	.2	.1
Personal Services	8.9	8.8	8.6	.1	.2
Business Services	36.9	36.2	36.5	.7	.4
Services to Buildings	6.1	6.0	5.9	.1	.2
Computer and Data Processing Services	4.7	4.7	4.4	.0	.3
Amusements, Including Motion Pictures	9.3	8.2	9.0	1.1	.3
Health Services	57.1	57.0	55.6	.1	1.5
Nursing and Personal Care Facilities	11.1	11.0	10.8	.1	.4
Hospitals	27.3	27.4	27.0	-.1	.3
Legal Services	4.4	4.4	4.1	.0	.3
Educational Services	7.3	7.2	7.4	.1	-.1
Social Services	12.3	12.1	11.8	.1	.5
Residential Care	4.8	4.7	4.5	.1	.3
Engineering and Management Services	16.5	16.3	16.0	.3	.5
Engineering and Architectural Services	5.7	5.6	5.3	.1	.4
Government	93.2	92.8	91.8	.4	1.4
Federal Government	17.1	16.9	17.1	.2	.0
State Government	21.5	21.4	20.9	.2	.7
State Government Education[h]	13.4	13.3	13.0	.1	.4
Local Government	54.6	54.6	53.8	.0	.7
Local Government Education	31.5	31.5	31.1	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

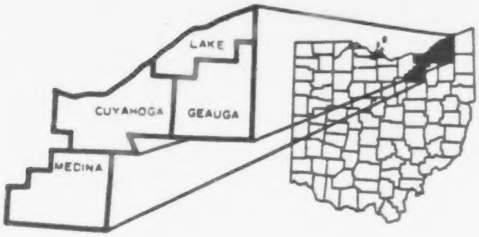
Not Seasonally Aojusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$515.70	$498.53	$490.14	43.3	42.5	42.4	$11.91	$11.73	$11.56
Durable Goods[f]	511.73	492.20	490.92	43.7	42.8	42.8	11.71	11.50	11.47
Fabricated Metal Products	431.52	420.89	410.11	43.5	42.6	41.3	9.92	9.88	9.93
Fabricated Structural Metal Products	482.60	451.19	430.50	45.4	43.3	41.0	10.63	10.42	10.50
Industrial Machinery and Equipment	466.47	476.50	452.19	42.6	43.2	42.3	10.95	11.03	10.69
Electronic and Other Electric Equipment	402.55	368.55	356.40	43.1	40.5	40.0	9.34	9.10	8.91
Transportation Equipment	790.60	731.25	789.52	47.2	45.0	48.2	16.75	16.25	16.38
Motor Vehicles and Equipment	901.20	744.72	887.54	49.3	43.5	50.4	18.28	17.12	17.61
Instruments and Related Products	375.84	363.79	336.00	43.5	42.4	42.0	8.64	8.58	8.00
Nondurable Goods[g]	518.31	504.71	489.30	42.8	42.2	42.0	12.11	11.96	11.65
Food and Kindred Products	502.55	484.78	499.59	43.1	41.9	42.7	11.66	11.57	11.70
Beverages	579.70	567.06	511.00	43.1	42.7	40.3	13.45	13.28	12.68
Apparel and Other Textile Products	254.31	248.96	231.86	38.3	38.9	37.7	6.64	6.40	6.15
Paper and Allied Products	444.39	453.53	468.66	41.3	41.8	43.8	10.76	10.85	10.70
Printing and Publishing	512.19	532.59	478.31	42.4	43.3	40.5	12.08	12.30	11.81
Commercial Printing	546.75	575.51	521.33	45.0	46.3	43.3	12.15	12.43	12.04
Chemicals and Allied Products	651.21	605.47	574.34	44.3	42.4	42.2	14.70	14.28	13.61
Rubber and Miscellaneous Plastics Products	429.54	427.98	423.76	43.3	43.1	44.7	9.92	9.93	9.48
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	569.72	568.79	574.65	39.4	39.2	40.9	14.46	14.51	14.05
Communications	576.63	575.19	572.23	38.7	38.5	40.1	14.90	14.94	14.27
Wholesale Trade	438.37	437.73	415.35	39.6	39.4	39.0	11.07	11.11	10.65
Retail Trade[i]	172.70	170.84	165.86	27.9	27.6	28.4	6.19	6.19	5.84
General Merchandise Stores	216.95	209.20	190.74	30.3	29.3	29.3	7.16	7.14	6.51
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	301.38	302.94	274.98	....	....	....	.....	.....	.....
Commercial Banks	270.79	272.10	258.17	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	411.04	409.27	398.01	....	....	....	.....	.....	.....
Life Insurance	419.50	420.00	415.57	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	423.49	421.73	388.99	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	429.68	428.04	374.19	32.8	32.6	31.9	13.10	13.13	11.73
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	653.84	653.54	598.53	41.2	41.0	42.6	15.87	15.94	14.05

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

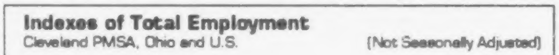
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

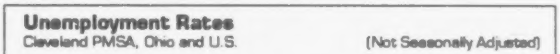


Nonagricultural payroll employment in the Cleveland metropolitan area totaled 936,100 in March 1990, up 7,600 from February. More business in services and retail trade and an increase in nonteaching personnel in local schools added 7,100 jobs in service-producing industries. Employment in goods-producing industries increased 600 to 236,300. A cyclical upturn in construction more than offset reductions in durable-goods manufacturing, especially industrial machinery and equipment and fabricated metal products. Factory production workers averaged $12.14 per hour, 23 cents higher than February. Their average workweek of 43.2 hours was 1.0 hours longer.

Total nonfarm wage and salary employment advanced 15,400 between March 1989 and March 1990. The improvement was concentrated in service-producing industries. Leading growth sectors were services (+5,700) and retail trade (+3,600). Notable gains also were registered in local government, wholesale trade, and transportation and public utilities. Employment in goods-producing industries decreased 100 over the year as scattered losses in durable-goods manufacturing negated modest growth in nondurable-goods manufacturing and construction.

Seasonally adjusted employment in the Cleveland area rose 3,000 from the February level to 952,000 in March 1990. Modest increases were recorded in services, retail trade, and finance, insurance, and real estate. Since March 1989, total payroll employment advanced 16,000 primarily due to growth in services, retail trade, and wholesale trade.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Cleveland PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.39	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
937.8	891.4	46.4	4.9	March	920.7	206.9	134.0	517.85	43.7	11.85
933.2	892.6	40.6	4.4	April	922.0	206.0	133.3	517.53	43.6	11.87
942.6	900.7	41.9	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.6	885.8	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
INA	INA	INA	INA	March	936.1	206.2	131.9	524.45	43.2	12.14

INA – information not available

Cleveland PMSA Nonagricultural [illegible] and Salary Employment

Seasonally [illegible]

(In Thousa[illegible]

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
936	242	33	208	March	694	42	66	159	57	252	119
928	241	33	207	April	688	42	66	158	57	250	116
932	241	33	207	May	691	42	66	158	57	250	118
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	936.1	928.4	920.7	7.6	15.4
Goods-Producing Industries[e]	236.3	235.8	236.4	.6	-.1
Construction	29.3	28.3	28.7	1.0	.6
Special Trade Contractors	20.2	19.6	19.2	.6	1.0
Manufacturing	206.2	206.6	206.9	-.5	-.7
Durable Goods[f]	141.0	141.4	142.6	-.4	-1.6
Stone, Clay, and Glass Products	3.6	3.5	3.5	.1	.1
Primary Metal Industries	20.8	20.7	21.2	.1	-.4
Iron and Steel Foundries	4.5	4.5	4.7	.1	-.2
Fabricated Metal Products	34.3	34.5	34.7	-.2	-.5
Screw Machine Products, Bolts, etc	4.9	5.0	5.2	-.1	-.3
Metal Forgings and Stampings	11.1	11.2	11.4	-.1	-.3
Industrial Machinery and Equipment	33.1	33.4	33.7	-.3	-.6
Metalworking Machinery	12.8	12.9	13.1	-.1	-.4
Electronic and Other Electric Equipment	15.3	15.4	15.7	-.1	-.4
Electrical Industrial Apparatus	4.3	4.4	4.4	-.1	-.1
Electric Lighting and Wiring Equipment	5.3	5.3	5.3	.0	.0
Transportation Equipment	19.4	19.4	19.4	.0	.1
Motor Vehicles and Equipment	12.3	12.3	12.1	.0	.2
Instruments and Related Products	7.0	7.0	6.9	.0	.1
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.1
Nondurable Goods[g]	65.1	65.2	64.3	.0	.9
Food and Kindred Products	6.6	6.6	6.6	.0	.0
Apparel and Other Textile Products	3.2	3.3	3.4	-.1	-.2
Paper and Allied Products	5.9	5.9	6.0	.0	-.2
Printing and Publishing	17.0	16.9	16.4	.1	.7
Chemicals and Allied Products	14.7	14.8	14.5	-.1	.2
Rubber and Miscellaneous Plastics Products	11.9	11.8	11.9	.1	.0
Miscellaneous Plastics Products	7.5	7.5	7.2	.1	.4
Service-Producing Industries	699.7	692.6	684.3	7.1	15.4
Transportation and Public Utilities	42.1	41.5	40.6	.6	1.6
Transportation	24.8	24.2	23.3	.6	1.5
Trucking and Warehousing	11.4	11.2	11.0	.1	.4
Transportation by Air	5.4	5.4	4.8	.0	.5
Communications, Electric, Gas Services	17.3	17.4	17.3	.0	.1
Communications	10.2	10.2	10.2	.0	.0
Electric, Gas, and Sanitary Services	7.1	7.2	7.1	.0	.1
Wholesale Trade	67.3	66.9	65.5	.3	1.7
Wholesale Trade-Durable Goods	45.8	45.5	44.7	.2	1.1
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.2	.0	-.2
Professional and Commercial Equipment	9.1	9.0	9.0	.0	.1
Retail Trade	158.4	157.0	154.8	1.4	3.6
General Merchandise Stores	20.6	20.6	20.6	.0	.1
Finance, Insurance, and Real Estate	57.3	57.0	56.5	.4	.8
Finance	28.0	27.8	27.8	.1	.2
Depository Institutions	20.5	20.5	20.5	.0	.0
Commercial Banks	13.0	13.0	12.6	.0	.4
Insurance	18.6	18.5	18.2	.1	.3
Insurance Carriers	14.1	14.0	13.7	.1	.3
Fire, Marine, and Casualty Insurance	6.4	6.3	6.2	.0	.1
Services	253.6	250.2	247.9	3.4	5.7
Business Services	52.7	52.0	51.1	.7	1.6
Personnel Supply Services	20.3	19.7	19.9	.6	.4
Computer and Data Processing Services	6.7	6.7	6.1	.0	.6
Amusements, Including Motion Pictures	9.3	8.6	9.9	.7	-.6
Health Services	79.0	78.9	77.6	.1	1.3
Nursing and Personal Care Facilities	13.5	13.4	13.2	.1	.3
Hospitals	43.7	43.6	43.5	.1	.1
Legal Services	9.6	9.5	9.2	.0	.4
Educational Services	19.5	18.8	19.3	.7	.1
Social Services	13.9	13.7	13.2	.1	.7
Residential Care	3.7	3.6	3.4	.1	.3
Engineering and Management Services	21.4	21.2	20.9	.2	.5
Engineering and Architectural Services	7.9	7.7	7.5	.1	.4
Accounting, Auditing, and Bookkeeping	6.5	6.5	6.6	.0	-.1
Management and Public Relations	4.5	4.5	4.3	.1	.2
Government	121.0	120.0	119.0	1.0	2.0
Federal government	20.1	20.2	20.7	-.1	-.6
State government	8.1	8.0	8.3	.1	-.2
State government education[h]	3.2	3.2	3.4	.0	-.2
Local government	92.8	91.8	90.1	1.0	2.7
Local government education	48.7	47.9	47.2	.7	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

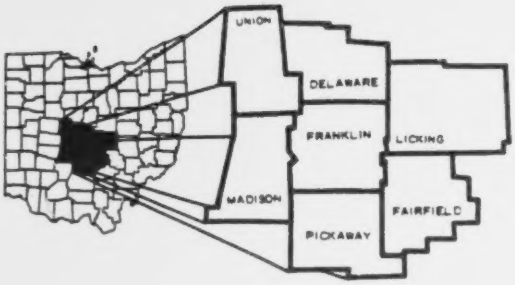
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$524.45	$502.60	$517.85	43.2	42.2	43.7	$12.14	$11.91	$11.85
Durable Goods[f]	560.51	530.33	549.13	44.1	42.7	44.5	12.71	12.42	12.34
Stone, Clay, and Glass Products	503.58	479.35	489.92	42.0	40.9	42.9	11.99	11.72	11.42
Primary Metal Industries	544.68	512.74	536.07	44.5	42.8	45.2	12.24	11.98	11.86
Iron and Steel Foundries	857.84	765.62	874.87	46.8	43.8	49.4	18.33	17.48	17.71
Fabricated Metal Products	563.73	534.24	547.36	43.7	42.4	44.0	12.90	12.60	12.44
Screw Machine Products, Bolts, etc.	546.66	504.36	550.91	44.3	42.1	44.5	12.34	11.98	12.38
Metal Forgings and Stampings	733.66	676.71	675.42	46.2	43.8	45.3	15.88	15.45	14.91
Industrial Machinery and Equipment	561.82	528.06	551.30	45.9	44.3	45.3	12.24	11.92	12.17
Metalworking Machinery	567.82	562.27	543.01	47.2	46.7	44.4	12.03	12.04	12.23
Electronic and Other Electric Equipment	415.90	422.24	431.46	40.3	40.6	42.3	10.32	10.40	10.20
Electrical Industrial Apparatus	442.68	439.30	453.58	42.0	41.6	44.6	10.54	10.56	10.17
Electric Lighting and Wiring Equipment	370.13	370.26	385.83	37.5	37.4	39.9	9.87	9.90	9.67
Transportation Equipment	746.04	704.69	741.00	44.7	43.1	45.6	16.69	16.35	16.25
Motor Vehicles and Equipment	818.08	759.56	832.48	44.9	42.6	46.9	18.22	17.83	17.75
Instruments and Related Products	450.69	447.69	395.35	41.5	41.3	40.8	10.86	10.84	9.69
Measuring and Controlling Devices	455.10	458.13	446.26	41.6	41.8	42.1	10.94	10.96	10.60
Nondurable Goods[g]	436.24	433.54	437.63	41.0	40.9	41.6	10.64	10.60	10.52
Food and Kindred Products	431.34	438.00	499.40	39.5	40.0	45.4	10.92	10.95	11.00
Apparel and Other Textile Products	371.91	367.30	360.05	38.7	38.3	38.1	9.61	9.59	9.45
Paper and Allied Products	521.55	516.73	477.84	45.0	44.7	42.1	11.59	11.56	11.35
Printing and Publishing	385.32	371.48	371.80	38.0	37.0	37.9	10.14	10.04	9.81
Chemicals and Allied Products	549.98	541.03	545.75	42.9	42.5	43.8	12.82	12.73	12.46
Rubber and Miscellaneous Plastics Products	378.78	377.64	380.88	41.9	42.1	42.7	9.04	8.97	8.92
Miscellaneous Plastics Products	387.96	391.82	388.20	42.4	43.2	42.8	9.15	9.07	9.07
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	468.54	467.17	458.33	34.3	34.2	33.8	13.66	13.66	13.56
Communications, Electric, Gas Services	607.60	625.87	599.35	40.0	40.8	40.8	15.19	15.34	14.69
Wholesale Trade	457.43	458.60	443.91	39.4	39.5	40.1	11.61	11.61	11.07
Retail Trade[i]	187.41	184.95	181.71	27.2	27.0	27.0	6.89	6.85	6.73
General Merchandise Stores	185.63	182.38	185.35	27.5	27.1	27.5	6.75	6.73	6.74
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	324.30	321.26	322.62	....	....	....	.....	.....	.....
Depository Institutions	297.42	294.47	297.86	....	....	....	.....	.....	.....
Commercial Banks	293.32	290.24	304.57	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	328.54	326.86	315.98	31.2	31.1	31.1	10.53	10.51	10.16
Nursing and Personal Care Facilities	235.67	230.21	210.22	33.1	32.7	31.9	7.12	7.04	6.59
Hospitals	360.27	359.96	346.30	30.3	30.3	30.7	11.89	11.88	11.28

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

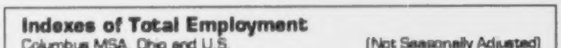
COLUMBUS
METROPOLITAN
STATISTICAL
AREA



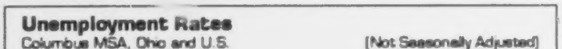
Total nonfarm payroll employment in the Columbus metropolitan area rose 6,700 above the February level to 708,500 in March 1990. Employment in service-producing industries increased 5,700 primarily due to more business in services and retail trade. Seasonal hirings in construction raised employment in goods-producing industries 1,000 over the month to 131,800. Manufacturing production workers averaged $12.39 per hour, up fractionally from February. Their average workweek was 0.2 hours shorter at 41.9 hours.

Nonagricultural wage and salary employment advanced 15,700 between March 1989 and March 1990. The growth was concentrated in the service-producing sector. A major portion of the improvement was attributed to expansion in services, especially business and health services, and in retail trade. A decrease in construction lowered employment in goods-producing industries 200 during the period.

Seasonally adjusted employment in the Columbus area totaled 716,000 in March 1990, up 4,000 from February. Slight increases occurred in transportation and public utilities, wholesale trade, retail trade, and services. Since March 1989, total payroll employment rose 15,000. Leading growth areas were services (+7,000) and retail trade (+5,000).



Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
721.0	686.5	34.5	4.8	March	692.8	104.0	68.5	493.79	41.6	11.87
718.8	687.8	30.9	4.3	April	695.7	103.7	68.3	492.25	41.4	11.89
725.7	693.6	32.1	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.54	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
721.3	684.1	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
INA	INA	INA	INA	March	708.5	104.1	69.7	519.14	41.9	12.39

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
701	136	31	105	March	565	31	37	143	60	169	124
697	135	29	104	April	563	31	37	142	59	169	124
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
716	136	30	105	March	580	32	38	148	61	176	126

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	708.5	701.8	692.8	6.7	15.7
Goods-Producing Industries[e]	131.8	130.8	132.0	1.0	-.2
Construction	26.9	25.8	27.2	1.1	-.3
Manufacturing	104.1	104.2	104.0	-.1	.1
Durable Goods[f]	65.5	65.6	65.5	-.1	.0
Stone, Clay, and Glass Products	9.9	9.8	9.9	.1	.0
Glass and Glassware, Pressed or Blown	3.6	3.6	3.5	.0	.1
Fabricated Metal Products	9.9	9.9	9.8	.0	.1
Industrial Machinery and Equipment	9.6	9.6	9.9	.0	-.3
Electronic and Other Electric Equipment	9.0	9.0	9.3	.0	-.2
Transportation Equipment	14.0	14.1	13.6	-.1	.4
Motor Vehicles and Equipment	13.3	13.4	12.8	-.1	.5
Instruments and Related Products	4.8	4.8	4.6	-.1	.1
Nondurable Goods[g]	38.6	38.6	38.5	.0	.0
Food and Kindred Products	10.7	10.6	10.5	.1	.2
Dairy Products	4.1	4.0	3.9	.0	.2
Printing and Publishing	10.8	11.0	10.7	-.1	.1
Chemicals and Allied Products	6.9	6.9	6.8	.0	.0
Rubber and Miscellaneous Plastics Products	6.1	6.0	5.9	.1	.2
Service-Producing Industries	576.7	571.0	560.9	5.7	15.9
Transportation and Public Utilities	31.0	30.8	30.1	.2	.8
Transportation	18.6	18.4	17.9	.2	.7
Trucking and Warehousing	13.1	13.0	12.4	.1	.7
Communications, Electric, Gas Services	12.4	12.4	12.2	.0	.1
Communications	7.8	7.8	7.7	.0	.1
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.4	37.1	36.8	.3	.6
Wholesale Trade-Durable Goods	24.3	24.2	23.8	.2	.5
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.2	.0	.0
Machinery, Equipment, and Supplies	5.6	5.5	5.3	.1	.3
Wholesale Trade-Nondurable Goods	13.1	13.0	13.0	.1	.1
Retail Trade	144.7	143.0	139.9	1.7	4.8
General Merchandise Stores	20.8	20.7	20.4	.0	.4
Food Stores	17.0	16.9	16.3	.1	.7
Automotive Dealers and Service Stations	14.4	14.2	13.8	.2	.6
Finance, Insurance, and Real Estate	60.4	60.1	59.6	.3	.8
Finance	23.8	23.6	23.4	.2	.4
Depository Institutions	14.4	14.2	14.3	.2	.1
Commercial Banks	12.1	11.9	11.8	.2	.3
Insurance	27.9	27.8	27.6	.1	.3
Insurance Carriers	23.9	23.9	23.5	.0	.4
Services	174.5	172.2	167.6	2.4	7.0
Business Services	36.7	36.0	34.5	.7	2.2
Personnel Supply Services	13.1	12.5	11.6	.6	1.5
Health Services	45.9	45.5	43.7	.3	2.2
Nursing and Personal Care Facilities	8.2	8.2	7.9	.0	.3
Hospitals	21.4	21.2	20.2	.1	1.1
Legal Services	4.5	4.5	4.4	.1	.2
Educational Services	8.4	8.4	8.0	.0	.4
Social Services	12.7	12.6	12.2	.1	.5
Engineering and Management Services	17.9	17.9	17.8	.1	.2
Engineering and Architectural Services	4.5	4.5	4.4	.0	.1
Accounting, Auditing, and Bookkeeping	4.2	4.1	4.2	.0	-.1
Research and Testing Services	6.2	6.2	6.1	.0	.1
Government	128.8	127.9	126.9	.9	1.8
Federal Government	16.0	15.9	15.8	.1	.3
State Government	56.6	56.3	55.7	.3	.9
State Government Education[h]	23.9	23.7	24.0	.2	-.1
Local Government	56.2	55.7	55.5	.5	.7
Local Government Education	34.4	34.0	34.0	.5	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

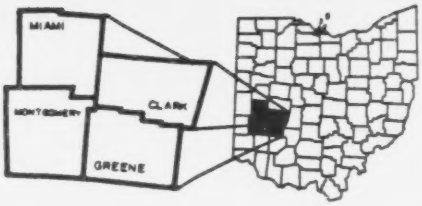
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$519.14	$520.36	$493.79	41.9	42.1	41.6	$12.39	$12.36	$11.87
Durable Goods[f]	540.60	537.63	507.41	42.5	42.4	41.9	12.72	12.68	12.11
Stone, Clay, and Glass Products	506.18	509.22	509.64	42.5	42.4	43.3	11.91	12.01	11.77
Glass and Glassware, Pressed or Blown	460.82	465.04	449.77	42.2	42.2	41.8	10.92	11.02	10.76
Fabricated Metal Products	537.21	517.45	496.09	42.4	41.1	40.3	12.67	12.59	12.31
Industrial Machinery and Equipment	499.09	507.36	457.20	41.8	42.0	40.0	11.94	12.08	11.43
Electronic and Other Electric Equipment	507.31	519.09	461.44	42.1	42.9	40.3	12.05	12.10	11.45
Transportation Equipment	694.01	674.19	626.66	45.9	45.4	43.7	15.12	14.85	14.34
Motor Vehicles and Equipment	695.84	677.50	634.09	45.9	45.5	43.7	15.16	14.89	14.51
Instruments and Related Products	411.06	403.52	432.07	39.0	38.8	40.8	10.54	10.40	10.59
Nondurable Goods[g]	477.77	485.97	463.49	40.8	41.5	40.8	11.71	11.71	11.36
Food and Kindred Products	418.54	423.72	419.42	40.4	40.9	41.9	10.36	10.36	10.01
Dairy Products	605.44	630.85	519.38	44.0	44.9	40.2	13.76	14.05	12.92
Printing and Publishing	545.61	542.49	526.13	39.0	39.0	38.8	13.99	13.91	13.56
Chemicals and Allied Products	638.78	634.30	608.45	42.9	42.8	43.0	14.89	14.82	14.15
Rubber and Miscellaneous Plastics Products	400.10	412.46	356.66	42.7	43.6	40.3	9.37	9.46	8.85
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	450.84	450.92	386.83	34.6	34.5	30.3	13.03	13.07	12.76
Communications, Electric, Gas Services	659.68	660.11	572.46	43.4	43.4	40.6	15.20	15.21	14.10
Communications	574.77	576.24	546.08	39.1	39.2	39.4	14.70	14.70	13.86
Electric, Gas, and Sanitary Services	804.61	806.70	615.40	50.7	50.8	42.5	15.87	15.88	14.48
Wholesale Trade	400.02	400.67	387.73	38.5	38.6	38.2	10.39	10.38	10.15
Retail Trade[i]	183.43	180.61	182.90	27.5	27.2	28.4	6.67	6.64	6.44
General Merchandise Stores	212.43	204.33	192.55	29.3	28.3	28.4	7.25	7.22	6.78
Food Stores	186.56	185.33	181.73	26.5	26.4	26.3	7.04	7.02	6.91
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	447.38	447.14	411.50	....	....	....	.....	.....	.....
Depository Institutions	293.27	291.92	271.99	....	....	....	.....	.....	.....
Commercial Banks	291.13	292.42	272.30	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	231.52	227.52	209.62	32.2	32.0	32.2	7.19	7.11	6.51
Hospitals	400.62	401.65	361.60	34.3	34.3	33.7	11.68	11.71	10.73
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	494.91	485.69	481.96	39.0	38.7	39.7	12.69	12.55	12.14

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

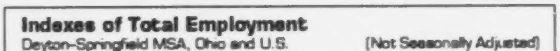
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

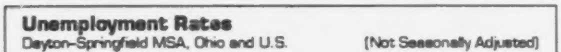


In the Dayton-Springfield metropolitan area, nonfarm payroll employment rose 4,600 above the February level to 451,800 in March 1990. Moderate gains in services and retail trade helped raise employment in service-producing industries 2,800. Improvements in manufacturing due to the recall of workers in transportation equipment, industrial machinery and equipment, and rubber and miscellaneous plastics products and more business in construction increased employment in goods-producing industries 1,800 over the month to 120,800. Factory production workers averaged $13.20 per hour, up 13 cents from February. Their average workweek was unchanged at 41.7 hours.

Nonagricultural wage and salary employment advanced 7,600 between March 1989 and March 1990. Expansion in services, local government, and retail trade increased employment 9,400 in the service-producing sector. Employment in goods-producing industries declined 1,700 primarily due to over-the-year losses in manufacturing. Reduced production in industrial machinery and equipment, rubber and miscellaneous plastics products, and electronic and other electric equipment overshadowed modest growth in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area totaled 457,000 in March 1990, up 3,000 from February. Increases were recorded in manufacturing, retail trade, and services. Since March 1989, total payroll employment advanced 8,000. The growth was concentrated in service-producing industries, especially services, government, and retail trade.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]

Dayton-Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
475.1	451.2	23.9	5.0	March	444.2	105.6	68.1	565.07	43.3	13.05
471.9	450.8	21.1	4.5	April	446.8	104.7	67.5	556.85	43.1	12.92
474.3	452.1	22.1	4.7	May	448.3	104.8	67.4	555.56	43.0	12.92
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
474.5	446.1	28.5	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
INA	INA	INA	INA	March	451.8	104.2	67.3	550.44	41.7	13.20

INA – information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	76	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
449	126	19	106	March	324	17	21	80	18	113	74
447	123	18	105	April	324	17	21	79	18	113	76
447	123	18	106	May	324	17	21	79	18	114	76
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	76
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	451.8	447.1	444.2	4.6	7.6
Goods-Producing Industries[e]	120.8	119.0	122.5	1.8	-1.7
Construction	16.2	15.3	16.5	.8	-.3
Manufacturing	104.2	103.3	105.6	.9	-1.4
Durable Goods[f]	74.6	74.0	75.7	.6	-1.1
Fabricated Metal Products	8.4	8.5	8.6	.0	-.1
Industrial Machinery and Equipment	31.0	30.9	32.4	.2	-1.3
Metalworking Machinery	8.3	8.3	8.5	.0	-.2
General Industrial Machinery	2.9	2.9	3.0	-.1	-.1
Electronic and Other Electric Equipment	3.9	3.8	4.4	.1	-.5
Transportation Equipment	22.4	22.1	21.4	.3	.9
Motor Vehicles and Equipment	19.2	18.9	18.3	.3	.9
Nondurable Goods[g]	29.6	29.3	29.8	.3	-.2
Food and Kindred Products	2.5	2.5	2.7	.0	-.2
Paper and Allied Products	6.0	6.0	6.0	.0	.0
Printing and Publishing	9.2	9.2	9.0	.0	.3
Rubber and Miscellaneous Plastics Products	7.8	7.6	8.4	.2	-.7
Service-Producing Industries	331.0	328.2	321.6	2.8	9.4
Transportation and Public Utilities	18.0	17.9	17.2	.1	.9
Transportation	11.7	11.6	11.1	.1	.6
Trucking and Warehousing	6.5	6.5	6.0	.1	.6
Communications, Electric, Gas Services	6.3	6.3	6.1	.0	.3
Communications	3.5	3.5	3.4	.0	.1
Wholesale Trade	21.3	21.1	20.6	.2	.7
Wholesale Trade-Durable Goods	14.9	14.8	14.4	.1	.5
Wholesale Trade-Nondurable Goods	6.3	6.3	6.2	.0	.2
Retail Trade	79.4	78.6	78.2	.9	1.2
General Merchandise Stores	11.2	11.2	11.2	.0	.0
Finance, Insurance, and Real Estate	17.6	17.7	17.7	-.1	-.1
Finance	9.6	9.6	9.9	.0	-.3
Depository Institutions	7.3	7.3	7.5	-.1	-.2
Insurance	4.4	4.5	4.3	-.1	.2
Services	116.0	114.8	112.4	1.2	3.6
Business Services	22.0	21.8	21.1	.2	1.0
Personnel Supply Services	5.7	5.6	5.7	.1	-.1
Computer and Data Processing Services	5.3	5.2	4.7	.1	.6
Health Services	39.0	38.7	37.4	.2	1.5
Nursing and Personal Care Facilities	7.0	7.1	7.0	.0	.0
Hospitals	20.0	19.9	19.0	.2	1.0
Educational Services	9.2	9.2	9.2	.0	.0
Social Services	5.9	5.8	5.9	.1	.0
Engineering and Management Services	9.9	9.8	10.0	.1	.0
Research and Testing Services	3.4	3.3	3.2	.0	.1
Government	78.6	78.2	75.6	.5	3.0
Federal Government	28.8	28.8	28.0	-.1	.8
State Government	7.3	7.1	7.3	.3	.0
State Government Education[h]	4.5	4.2	4.5	.3	.0
Local Government	42.5	42.2	40.4	.3	2.1
Local Government Education	27.3	27.0	25.7	.2	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

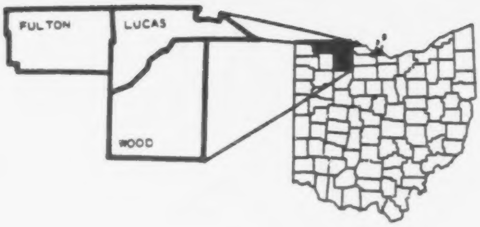
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$550.44	$545.02	$565.07	41.7	41.7	43.3	$13.20	$13.07	$13.05
Durable Goods[f]	571.72	567.17	580.34	42.1	42.2	43.7	13.58	13.44	13.28
Fabricated Metal Products	399.96	410.52	399.07	40.4	41.3	41.7	9.90	9.94	9.57
Industrial Machinery and Equipment	584.05	584.38	621.03	42.2	42.5	45.1	13.84	13.75	13.77
Metalworking Machinery	562.02	580.21	606.52	43.5	44.7	47.2	12.92	12.98	12.85
General Industrial Machinery	538.65	495.36	506.33	45.0	43.0	43.8	11.97	11.52	11.56
Electronic and Other Electric Equipment	375.36	376.94	361.79	41.8	42.4	41.3	8.98	8.89	8.76
Transportation Equipment	715.14	701.56	729.62	42.9	42.7	44.3	16.67	16.43	16.47
Motor Vehicles and Equipment	726.30	709.29	739.81	42.9	42.6	44.3	16.93	16.65	16.70
Nondurable Goods[g]	485.61	479.99	521.17	40.4	40.2	42.2	12.02	11.94	12.35
Food and Kindred Products	338.14	333.38	380.37	38.6	38.1	41.3	8.76	8.75	9.21
Paper and Allied Products	493.81	474.99	509.63	43.7	42.6	45.3	11.30	11.15	11.25
Printing and Publishing	468.00	458.99	470.61	40.0	39.5	40.5	11.70	11.62	11.62
Rubber and Miscellaneous Plastics Products	602.14	598.69	681.85	38.5	38.6	41.5	15.64	15.51	16.43
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	557.75	562.31	537.02	40.3	40.6	39.4	13.84	13.85	13.63
Communications	547.01	554.19	537.42	39.1	39.5	39.4	13.99	14.03	13.64
Wholesale Trade	396.40	395.00	397.94	39.6	39.5	39.4	10.01	10.00	10.10
Retail Trade[j]	173.71	169.91	164.39	28.2	27.9	28.1	6.16	6.09	5.85
General Merchandise Stores	183.21	176.20	169.91	28.1	26.9	27.9	6.52	6.55	6.09
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	276.48	273.68	257.86	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	403.17	405.23	367.43	34.4	34.4	34.5	11.72	11.78	10.65

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

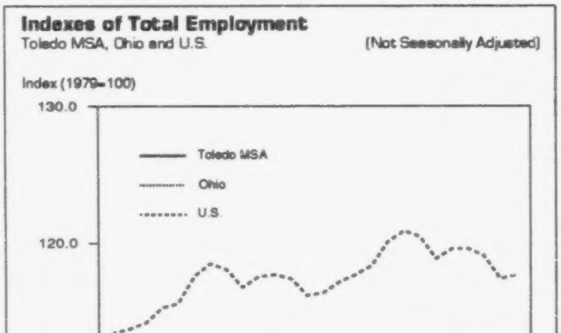
TOLEDO
METROPOLITAN STATISTICAL AREA

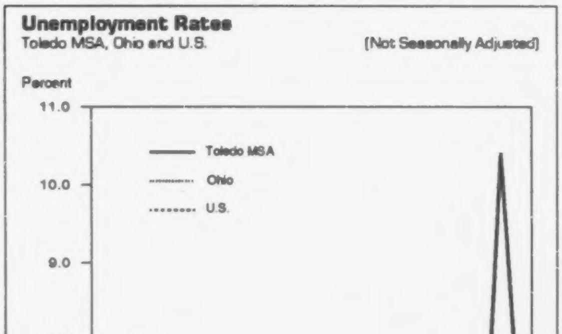


Nonagricultural payroll employment in the Toledo metropolitan area rose 2,400 above the February level to 292,300 in March 1990. The number of employees in service-producing industries increased 2,300 primarily due to more business in services and retail trade. Employment in goods-producing industries totaled 69,800, up 100 over the month. A seasonal gain in construction more than offset declines in durable-goods manufacturing, especially transportation equipment. Factory production workers averaged $13.54 per hour, 35 cents higher than February. Their average workweek of 43.8 hours was 2.0 hours longer.

Nonfarm wage and salary employment advanced 1,600 between March 1989 and March 1990. Service-producing industries gained 5,300 workers. Leading growth sectors were services (+2,200) and retail trade (+1,800). Reduced production in manufacturing, especially in transportation equipment, lowered employment in goods-producing industries 3,700 over the year. Noteworthy declines were also recorded in industrial machinery and equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area increased 1,000 from February to 296,000 in March 1990 due to modest gains in service-producing industries. Since March 1989, total payroll employment rose 2,000. Growth in retail trade and services offset a reduction in manufacturing.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
314.6	295.8	18.7	6.0	March	290.7	62.7	44.8	596.30	44.5	13.40
314.1	297.5	16.6	5.3	April	293.0	62.6	44.7	563.73	43.0	13.11
317.4	300.3	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
312.7	289.7	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
INA	INA	INA	INA	March	292.3	58.9	42.0	593.05	43.8	13.54

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	75	12	63	March	219	14	16	58	12	75	43
293	75	12	63	April	218	14	16	58	12	75	43
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	292.3	289.9	290.7	2.4	1.6
Goods-Producing Industries[e]	69.8	69.6	73.4	.1	-3.7
Construction	10.7	10.2	10.6	.5	.2
Manufacturing	58.9	59.2	62.7	-.4	-3.8
Durable Goods[f]	43.7	44.1	47.2	-.4	-3.4
Stone, Clay, and Glass Products	7.7	7.7	8.1	.0	-.4
Primary Metal Industries	3.5	3.5	3.6	.0	-.1
Fabricated Metal Products	6.9	6.9	7.2	.1	-.3
Metal Forgings and Stampings	2.6	2.6	2.9	.0	-.4
Industrial Machinery and Equipment	5.7	5.7	6.4	-.1	-.7
Transportation Equipment	13.4	13.8	15.3	-.4	-1.9
Nondurable Goods[g]	15.2	15.1	15.5	.0	-.4
Food and Kindred Products	3.8	3.8	3.7	.0	.0
Rubber and Miscellaneous Plastics Products	4.0	3.9	4.3	.0	-.4
Service-Producing Industries	222.6	220.3	217.3	2.3	5.3
Transportation and Public Utilities	14.2	14.1	13.7	.1	.6
Transportation	9.4	9.3	8.9	.1	.5
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.1
Wholesale Trade	16.0	15.8	15.5	.1	.5
Wholesale Trade-Durable Goods	10.6	10.5	10.4	.1	.2
Wholesale Trade-Nondurable Goods	5.4	5.3	5.1	.0	.2
Retail Trade	58.4	57.6	56.6	.7	1.8
General Merchandise Stores	7.9	7.9	8.1	.0	-.2
Finance, Insurance, and Real Estate	11.9	11.9	12.0	.0	-.1
Finance	6.3	6.3	6.4	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	76.3	75.3	74.2	1.0	2.2
Business Services	13.2	13.1	12.8	.1	.4
Personnel Supply Services	4.9	4.8	4.5	.0	.3
Health Services	27.5	27.5	27.4	.1	.1
Nursing and Personal Care Facilities	4.1	4.1	4.1	.0	.0
Hospitals	15.0	15.1	15.1	.0	.0
Engineering and Management Services	6.2	6.1	5.9	.1	.3
Government	45.7	45.4	45.3	.3	.4
Federal Government	2.6	2.6	2.6	.0	.0
State Government	17.8	17.4	17.2	.3	.6
State Government Education[h]	13.4	13.2	13.0	.2	.4
Local Government	25.3	25.3	25.5	.0	-.2
Local Government Education	15.0	15.1	15.2	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

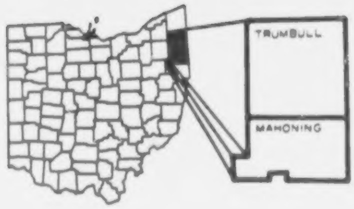
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$593.05	$551.34	$596.30	43.8	41.8	44.5	$13.54	$13.19	$13.40
Durable Goods[f]	615.44	560.70	621.97	44.5	42.0	45.3	13.83	13.35	13.73
Stone, Clay, and Glass Products	506.82	485.48	485.35	42.2	40.9	42.5	12.01	11.87	11.42
Primary Metal Industries	498.82	459.50	507.27	43.3	40.7	45.7	11.52	11.29	11.10
Fabricated Metal Products	558.93	485.62	526.22	46.5	41.4	45.6	12.02	11.73	11.54
Metal Forgings and Stampings	723.57	632.81	664.77	44.5	40.8	44.2	16.26	15.51	15.04
Industrial Machinery and Equipment	511.37	498.50	512.56	43.3	42.9	43.0	11.81	11.62	11.92
Transportation Equipment	806.66	708.93	823.17	45.6	42.4	47.2	17.69	16.72	17.44
Nondurable Goods[g]	521.24	520.77	505.40	41.5	41.2	41.7	12.56	12.64	12.12
Food and Kindred Products	600.06	611.59	537.37	42.8	43.1	41.4	14.02	14.19	12.98
Rubber and Miscellaneous Plastics Products	370.05	350.64	358.11	41.3	39.8	41.4	8.96	8.81	8.65
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	725.35	733.38	584.01	44.5	44.8	40.5	16.30	16.37	14.42
Wholesale Trade	421.61	413.03	395.00	40.5	40.1	39.5	10.41	10.30	10.00
Retail Trade[i]	164.77	163.08	157.99	27.1	27.0	27.1	6.08	6.04	5.83
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	361.08	373.99	337.84	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor- management disputes.

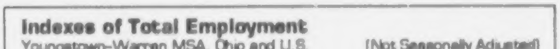
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

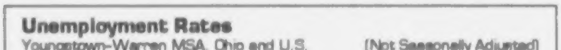


Total nonfarm payroll employment in the Youngstown-Warren metropolitan area, at 198,300 in March 1990, was 2,100 higher than February. More business in services and retail trade and an increase in nonteaching personnel in local schools helped raise employment in service-producing industries 1,500. The number of workers in goods-producing industries rose 600 over the month to 56,400. Modest gains occurred in construction and manufacturing, especially primary metal industries. Factory production workers averaged $14.25 per hour, up 13 cents from February. Their average workweek of 42.1 hours was 0.2 hours longer.

Nonagricultural wage and salary employment advanced 2,700 between March 1989 and March 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were retail trade, services, and wholesale trade. A reduction in the manufacturing workforce resulted in the loss of 1,400 jobs in goods-producing industries. Noteworthy declines were recorded in primary metal industries, fabricated metal products, and transportation equipment.

Seasonally adjusted employment in the Youngstown-Warren area was unchanged from February at 201,000 in March 1990. Since March 1989, total payroll employment rose 3,000. Modest growth in wholesale trade, retail trade, and services more than offset a decline in manufacturing.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers	Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.5	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
222.0	206.1	15.9	7.2	March	195.6	50.8	38.7	595.55	43.0	13.85
220.8	207.3	13.5	6.1	April	197.0	50.7	38.7	589.46	42.5	13.87
222.9	209.3	13.5	6.1	May	199.2	50.7	38.6	603.60	43.3	13.94
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.4	204.0	17.4	7.8	February	196.2	49.2	36.9	591.63	41.9	14.12
INA	INA	INA	INA	March	198.3	49.4	37.2	599.93	42.1	14.25

INA – information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	59	8	51	March	139	8	11	42	9	46	24
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	50	March	143	8	12	43	9	47	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	198.3	196.2	195.6	2.1	2.7
Goods-Producing Industries[e]	56.4	55.9	57.8	.6	-1.4
Construction	6.6	6.3	6.6	.3	.0
Manufacturing	49.4	49.2	50.8	.2	-1.4
Durable Goods[f]	44.1	44.0	45.7	.1	-1.5
Primary Metal Industries	18.3	18.0	18.8	.3	-.5
Blast Furnace and Basic Steel Products	6.0	6.0	5.7	.0	.2
Fabricated Metal Products	7.2	7.3	7.6	-.1	-.4
Metal Forgings and Stampings	3.9	3.8	4.0	.0	-.1
Industrial Machinery and Equipment	4.2	4.3	4.3	.0	.0
Transportation Equipment	9.2	9.3	9.4	-.1	-.3
Nondurable Goods[g]	5.3	5.1	5.2	.1	.1
Service-Producing Industries	141.9	140.4	137.8	1.5	4.1
Transportation and Public Utilities	7.6	7.6	7.6	.0	.1
Wholesale Trade	11.6	11.5	10.7	.1	.9
Wholesale Trade-Durable Goods	7.2	7.1	6.8	.1	.4
Wholesale Trade-Nondurable Goods	4.4	4.4	3.9	.0	.5
Retail Trade	41.7	41.3	40.4	.4	1.3
General Merchandise Stores	5.1	5.1	5.2	.0	-.1
Finance, Insurance, and Real Estate	8.7	8.7	8.4	.0	.3
Finance	4.8	4.8	4.6	.0	.1
Services	46.7	46.2	45.4	.5	1.3
Health Services	21.1	21.0	20.6	.1	.5
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.2
Hospitals	10.7	10.6	10.6	.0	.1
Government	25.5	25.1	25.2	.4	.2
State Government	4.5	4.4	4.7	.1	-.1
State Government Education[h]	3.0	2.9	3.2	.0	-.2
Local Government	18.9	18.6	18.5	.3	.3
Local Government Education	12.4	12.2	12.2	.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$599.93	$591.63	$595.55	42.1	41.9	43.0	$14.25	$14.12	$13.85
Durable Goods[f]	616.54	606.48	614.98	42.2	42.0	43.4	14.61	14.44	14.17
Primary Metal Industries	652.38	641.29	624.46	41.5	41.4	41.3	15.72	15.49	15.12
Blast Furnace and Basic Steel Products	676.17	672.95	570.47	46.6	46.7	42.7	14.51	14.41	13.36
Fabricated Metal Products	595.55	582.77	606.60	43.0	42.6	45.1	13.85	13.68	13.45
Metal Forgings and Stampings	702.33	689.61	724.74	43.3	42.7	47.0	16.22	16.15	15.42
Industrial Machinery and Equipment	520.38	539.57	497.20	42.0	43.2	42.1	12.39	12.49	11.81
Transportation Equipment	692.74	678.78	740.16	43.9	43.4	48.0	15.78	15.64	15.42
Nondurable Goods[g]	419.02	428.45	388.78	41.0	41.0	38.8	10.22	10.45	10.02
Wholesale Trade	384.68	385.67	372.45	38.7	38.8	39.0	9.94	9.94	9.55
Retail Trade[i]	176.42	177.51	178.46	27.1	27.1	28.6	6.51	6.55	6.24
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	224.02	227.34	218.40	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton-Middletown PMSA

Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area rose 500 above the February level to 95,100 in March 1990. Improvements in service-producing industries, especially in retail trade, contributed most to the change. Employment in the goods-producing sector dropped 100 over the month to 26,900. Declines in durable-goods manufacturing primarily due to a temporary shutdown in primary metal industries negated marginal growth in construction and mining. Factory production workers averaged $13.50 per hour, up 15 cents from February. Their average workweek of 44.2 hours was 0.4 hours longer. Nonfarm wage and salary employment advanced 500 between March 1989 and March 1990. Expansion in services raised service-producing industries 900. Goods-producing industries decreased 400 over the year as reductions in manufacturing, particularly paper and allied products, overshadowed improvements in construction and mining.

Lima MSA

In the Lima metropolitan area, nonfarm wage and salary employment totaled 72,600 in March 1990, up 300 from February. More business in retail trade and services raised employment in service-producing industries 500. The number of workers in goods-producing industries declined 200 to 26,000. Reduced production in manufacturing, especially transportation equipment, outweighed slight increases in construction and mining. Factory production workers averaged $13.22 per hour, little changed from February. Their average workweek was 0.2 hours shorter at 42.2 hours. Nonagricultural payroll employment advanced 1,600 between March 1989 and March 1990. Service-producing industries added 1,000 jobs primarily due to growth in retail trade. Scattered gains in manufacturing increased goods-producing industries 600 above the year-ago level. Improvements in industrial machinery and equipment and fabricated metal products more than offset a decline in transportation equipment.

Lorain-Elyria PMSA

Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area rose 800 above the February level to 91,800 in March 1990. Employment in service-producing industries increased 500 due to marginal gains in services, retail trade, and government. Seasonal increases in construction and mining helped raise employment in goods-producing industries 300 over the month to 31,800. Manufacturing production workers averaged $13.42 per hour, up 14 cents from February. Their average workweek was 0.4 hours longer at 42.9 hours. Nonagricultural payroll employment declined 100 between March 1989 and March 1990. Reductions in durable-goods manufacturing, especially transportation equipment and primary metal industries, lowered goods-producing industries 700. The number of jobs in the service-producing sector increased 600 during the period. Noteworthy improvements occurred in transportation and public utilities and in retail trade.

Mansfield MSA

Nonagricultural payroll employment in the Mansfield metropolitan area totaled 59,600 in March 1990, up 500 from February. More business in retail trade and services created 400 jobs in the service-producing sector. Employment in goods-producing industries was unchanged over the month at 20,700. Manufacturing production workers averaged $13.00 per hour, up fractionally from February. Their average workweek of 40.5 hours was 0.3 hours longer. Nonfarm wage and salary employment declined 100 between March 1989 and March 1990. The number of workers in goods-producing industries dropped 300 due to reductions in durable-goods manufacturing, particularly fabricated metal products. Employment in service-producing industries increased 200 over the year. Modest expansion in retail trade overshadowed a decrease in services.

Steubenville-Weirton MSA

In the Steubenville-Weirton metropolitan area, nonfarm wage and salary employment rose 700 above the February level to 52,700 in March 1990. Seasonal hirings in construction raised employment in goods-producing industries 400 to 20,200. The number of jobs in the service-producing sector increased 300 chiefly due to more business in services. Manufacturing production workers averaged $11.75 per hour, down fractionally from February. Their average workweek of 42.4 hours was 0.3 hours longer. Nonagricultural payroll employment advanced 1,800 between March 1989 and March 1990. Service-producing industries added 1,400 employees due to expansion in retail trade and services. Growth in construction raised employment in goods-producing industries 500 over the year.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	129.9	131.1	131.8	-1.2	-1.9
Employment	121.1	121.6	123.7	-.5	-2.6
Unemployment	8.8	9.5	8.1	-.7	.7
Unemployment Rate	6.8	7.3	6.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	95.1	94.7	94.6	.5	.5
Goods–Producing Industries	26.9	26.9	27.3	-.1	-.4
Construction and Mining	5.3	5.0	5.0	.3	.3
Manufacturing	21.6	22.0	22.3	-.4	-.7
Durable Goods	15.0	15.2	15.3	-.3	-.3
Primary Metal Industries	6.8	7.1	6.7	-.3	.1
Fabricated Metal Products	2.4	2.4	2.5	.0	.0
Industrial Machinery and Equipment	2.5	2.5	2.4	.0	.1
Nondurable Goods	6.6	6.8	7.0	-.1	-.4
Paper and Allied Products	4.7	4.8	5.1	-.1	-.4
Paper Mills	3.5	3.5	3.8	-.1	-.3
Service–Producing Industries	68.3	67.7	67.3	.5	.9
Transportation and Public Utilities	3.4	3.4	3.4	.0	.0
Wholesale Trade	5.6	5.6	5.7	.0	-.2
Wholesale Trade–Durable Goods	3.8	3.8	4.0	.0	-.2
Retail Trade	17.4	17.1	17.5	.3	-.2
Food Stores	2.9	2.9	3.1	.0	-.2
Finance, Insurance, and Real Estate	4.7	4.6	4.8	.1	-.1
Services	19.1	19.0	18.0	.1	1.1
Health Services	8.3	8.3	7.9	.0	.4
Government	18.1	18.0	17.9	.1	.2
State Government	7.8	7.7	7.6	.0	.1
Local Government	9.7	9.7	9.7	.0	.0
Local Government Education	6.4	6.4	6.4	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1980[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$596.70	$584.73	$621.03	44.2	43.8	45.9	$13.50	$13.35	$13.53
Durable Goods	614.99	596.12	643.56	44.5	43.8	46.5	13.82	13.61	13.84
Primary Metal Industries	684.17	648.71	754.45	45.1	44.1	49.7	15.17	14.71	15.18
Fabricated Metal Products	544.80	511.21	537.43	43.9	41.8	41.5	12.41	12.23	12.95
Industrial Machinery and Equipment	617.24	624.96	652.19	47.7	48.0	49.9	12.94	13.02	13.07
Nondurable Goods	551.54	554.12	563.05	43.6	43.7	44.3	12.65	12.68	12.71
Paper and Allied Products	586.64	567.57	602.53	45.3	44.1	46.1	12.95	12.87	13.07
Paper Mills	586.46	574.65	626.58	44.7	43.9	46.9	13.12	13.09	13.36
Wholesale Trade	450.71	456.67	407.95	42.6	42.6	41.0	10.58	10.72	9.95
Retail Trade[e]	169.30	169.68	162.25	27.8	27.5	27.5	6.09	6.17	5.90

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Money payments only; tips not included. [f] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	76.8	78.2	76.1	-1.4	.7
Employment	71.4	71.0	71.4	.4	.0
Unemployment	5.5	7.2	4.7	-1.7	.8
Unemployment Rate	7.1	9.2	6.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	72.6	72.3	71.0	.3	1.6
Goods–Producing Industries	26.0	26.2	25.4	-.2	.6
Construction and Mining	2.9	2.8	2.8	.1	.1
Manufacturing	23.1	23.4	22.6	-.3	.5
Durable Goods	17.0	17.2	16.8	-.2	.2
Fabricated Metal Products	2.7	2.7	2.4	.0	.3
Industrial Machinery and Equipment	4.2	4.2	3.9	.0	.4
Transportation Equipment	7.2	7.4	7.6	-.2	-.4
Motor Vehicles and Equipment	3.4	3.6	3.8	-.2	-.4
Nondurable Goods	6.1	6.2	5.8	.0	.3
Food and Kindred Products	1.7	1.7	1.7	.0	.0
Rubber and Miscellaneous Plastics Products	2.1	2.1	1.9	.0	.2
Service–Producing Industries	46.6	46.1	45.6	.5	1.0
Transportation and Public Utilities	3.1	3.1	2.9	.0	.2
Wholesale Trade	3.4	3.4	3.4	.0	.0
Retail Trade	14.1	13.9	13.5	.2	.6
General Merchandise Stores	2.1	2.1	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	14.5	14.3	14.4	.2	.1
Health Services	6.5	6.5	6.2	.0	.3
Hospitals	3.1	3.1	3.1	.0	.0
Government	9.5	9.4	9.4	.1	.1
Local Government	7.1	7.1	7.0	.0	.1
Local Government Education	4.3	4.3	4.1	.0	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$557.88	$559.26	$552.10	42.2	42.4	42.6	$13.22	$13.19	$12.96
Durable Goods	549.25	548.98	552.97	41.8	42.1	42.7	13.14	13.04	12.95
Fabricated Metal Products	368.21	369.41	357.78	41.7	41.6	40.2	8.83	8.88	8.90
Industrial Machinery and Equipment	441.83	461.62	478.41	39.1	40.6	42.3	11.30	11.37	11.31
Transportation Equipment	712.29	694.77	662.00	43.3	43.1	42.6	16.45	16.12	15.54
Motor Vehicles and Equipment	825.74	780.23	750.60	45.9	45.1	45.0	17.99	17.30	16.68
Nondurable Goods	581.90	587.95	552.95	43.2	43.2	42.6	13.47	13.61	12.98
Food and Kindred Products	417.85	398.82	361.90	42.9	41.5	40.8	9.74	9.61	8.87
Rubber and Miscellaneous Plastics Products	618.57	618.62	601.71	46.3	46.2	46.5	13.36	13.39	12.94
Wholesale Trade	369.60	371.91	368.60	38.5	38.5	38.8	9.60	9.66	9.50
Retail Trade[i]	187.47	186.58	165.29	29.9	29.9	28.4	6.27	6.24	5.82
General Merchandise Stores	166.86	164.38	162.86	27.0	26.3	26.1	6.18	6.25	6.24

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	116.5	115.5	118.9	1.0	-2.4
Employment	107.6	101.4	110.3	6.2	-2.7
Unemployment	8.9	14.1	8.6	-5.2	.3
Unemployment Rate	7.7	12.2	7.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	91.8	91.0	91.8	.8	-.1
Goods–Producing Industries	31.8	31.5	32.5	.3	-.7
Construction and Mining	3.6	3.4	3.3	.2	.3
Manufacturing	28.2	28.1	29.2	.1	-1.0
Durable Goods	23.6	23.6	24.6	.0	-1.0
Primary Metal Industries	4.3	4.2	4.5	.1	-.3
Fabricated Metal Products	4.2	4.4	4.2	-.2	.1
Tansportation Equipment	7.9	7.7	8.5	.2	-.6
Nondurable Goods	4.6	4.5	4.6	.1	.0
Service–Producing Industries	59.9	59.5	59.3	.5	.6
Transportation and Public Utilities	3.5	3.5	3.2	.0	.3
Wholesale Trade	2.4	2.3	2.5	.0	-.1
Retail Trade	16.5	16.4	16.2	.1	.3
Finance, Insurance, and Real Estate	3.2	3.2	3.1	.0	.2
Services	20.7	20.5	20.5	.2	.2
Health Services	8.5	8.5	8.3	.0	.2
Hospitals	4.1	4.1	4.0	.0	.1
Government	13.7	13.6	13.9	.1	-.2
Local Government	11.6	11.5	12.0	.0	-.4
Local Government Education	7.9	7.9	7.8	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$575.72	$564.40	$620.55	42.9	42.5	45.0	$13.42	$13.28	$13.79
Durable Goods	606.30	589.78	657.29	43.4	42.8	45.9	13.97	13.78	14.32
Primary Metal Industries	620.84	621.28	628.97	44.0	44.0	43.8	14.11	14.12	14.36
Fabricated Metal Products	425.14	425.72	436.59	42.9	42.7	44.1	9.91	9.97	9.90
Transportation Equipment	757.09	729.93	825.67	44.3	43.5	48.2	17.09	16.78	17.13
Nondurable Goods	400.00	415.93	400.20	40.0	41.1	39.9	10.00	10.12	10.03
Wholesale Trade	368.05	367.30	361.90	38.1	38.3	38.5	9.66	9.59	9.40
Retail Trade[i]	159.12	156.37	163.67	25.5	25.1	26.7	6.24	6.23	6.13

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.4	66.4	65.2	-2.0	-.8
Employment	59.6	60.2	61.1	-.7	-1.5
Unemployment	4.9	6.2	4.2	-1.3	.7
Unemployment Rate	7.5	9.3	6.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	59.6	59.1	59.7	.5	-.1
Goods-Producing Industries	20.7	20.6	21.0	.0	-.3
Construction and Mining	1.9	1.8	1.9	.1	.0
Manufacturing	18.8	18.8	19.1	-.1	-.3
Durable Goods	16.7	16.8	17.1	-.1	-.4
Fabricated Metal Products	5.5	5.6	5.8	-.1	-.3
Electronic and Other Electric Equipment	3.4	3.4	3.2	.0	.2
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service-Producing Industries	38.9	38.5	38.7	.4	.2
Transportation and Public Utilities	2.9	2.9	2.9	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	11.7	11.5	11.0	.2	.7
Finance, Insurance, and Real Estate	2.4	2.4	2.5	.0	-.1
Services	12.4	12.2	12.7	.2	-.3
Health Services	4.3	4.3	4.3	.0	.1
Government	7.4	7.4	7.4	.0	.0
Local Government	5.6	5.6	5.7	.0	-.1
Local Government Education	3.9	3.9	4.0	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$526.50	$520.99	$569.40	40.5	40.2	43.3	$13.00	$12.96	$13.15
Durable Goods	541.35	534.36	594.58	40.1	39.7	43.4	13.50	13.46	13.70
Fabricated Metal Products	645.23	631.66	795.64	39.2	38.8	45.7	16.46	16.28	17.41
Electronic and Other Electric Equipment	422.37	430.40	466.32	39.4	40.0	42.9	10.72	10.76	10.87
Nondurable Goods	390.27	399.15	345.53	43.9	45.0	42.5	8.89	8.87	8.13
Wholesale Trade	344.06	338.80	335.76	40.1	40.0	40.6	8.58	8.47	8.27
Retail Trade[i]	164.23	161.73	153.65	27.1	26.6	26.4	6.06	6.08	5.82

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Feb. 1990[b]	Jan. 1990[c]	Feb. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	56.2	55.8	55.4	.4	.8
Employment	52.4	52.0	51.7	.3	.7
Unemployment	3.8	3.8	3.7	.1	.1
Unemployment Rate	6.8	6.8	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Total	52.7	52.0	50.9	.7	1.8
Goods–Producing Industries	20.2	19.8	19.8	.4	.5
Mining	1.0	.9	.9	.0	.0
Construction	1.6	1.3	1.1	.3	.5
Manufacturing	17.7	17.6	17.7	.1	.0
Durable Goods	16.1	16.1	16.1	.0	.0
Primary Metal Industries	12.7	12.7	12.7	.0	.0
Nondurable Goods	1.6	1.5	1.6	.1	.0
Service–Producing Industries	32.5	32.2	31.1	.3	1.4
Transportation and Public Utilities	3.3	3.3	3.2	.0	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.3	9.2	8.7	.0	.5
General Merchandise Stores	1.7	1.7	1.5	.0	.1
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.5	10.4	10.0	.2	.5
Health Services	4.5	4.5	4.4	.0	.0
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.4	6.3	6.2	.1	.2
Local Government	5.5	5.5	5.3	.1	.2
Local Government Education	3.6	3.5	3.4	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]
Manufacturing	$498.20	$495.10	$476.74	42.4	42.1	41.6	$11.75	$11.76	$11.46
Durable Goods	521.86	520.22	502.68	43.2	43.1	42.6	12.08	12.07	11.80
Primary Metal Industries	554.40	554.40	519.72	44.0	44.0	42.6	12.60	12.60	12.20
Nondurable Goods	191.79	177.59	169.04	31.7	29.5	29.5	6.05	6.02	5.73
Wholesale Trade	350.14	354.48	319.96	40.2	40.1	38.0	8.71	8.84	8.42
Retail Trade[i]	159.30	159.46	162.66	27.0	26.8	27.9	5.90	5.95	5.83

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods-Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service-Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	March 1990	February 1990	March 1989
New Applicants	37,227	32,318	43,939
Active File of Job Seekers	206,250	198,574	278,527
Counseling Interviews	835	809	1,162
Tests Administered	2,412	1,557	1,651
General Aptitude Tests	1,431	208	221
Proficiency Tests	2,548	234	366
Specific Aptitude Tests	1,749	319	167
Referrals to Jobs	24,373	17,247	29,147
Placements	3,167	2,326	5,762
Job Openings Received	9,334	6,849	12,510
Job Openings Unfilled	17,022	15,272	19,989

Selected Unemployment Insurance Activities

	Ohio		
	March 1990	February 1990	March 1989
Initial Claims	45,905	73,917	45,146
Continued Claims	500,886	560,333	519,538
First Payments	27,539	37,718	25,291
Last Payments	6,280	4,998	5,761
Average Weekly Claimants	118,711	139,243	111,712
Average Weekly Benefit Recipients	111,046	122,943	103,011
Weeks Compensated	495,686	500,176	484,644
Benefits Paid	$81,934,927	$84,308,058	$76,359,474
Average Weekly Payment	$172.46	$175.31	$161.94
Continued Claims for Survey Week	114,389	131,758	104,503
Insured Unemployment Rate	2.6	3.1	2.5
Net Contributions	$3,336,473	$54,816,776	$3,545,071
Active Employer Accounts	206,470	206,606	203,244

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

April 1990

Summary. Ohio's seasonally adjusted unemployment rate increased from 5.5 percent in March to 5.9 percent in April 1990. For the nation, the rate rose from 5.2 percent in March to 5.4 percent in April. Total employment in Ohio fell 9,000 from March to 5,098,000. The number of jobless workers, at 319,000, was up 24,000 over the month. Nonagricultural wage and salary employment (seasonally adjusted) stood at 4,905,000 in April, virtually unchanged from March. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries decreased fractionally from March to 1,339,000 in April. Durable-goods employment remained at the March level of 749,000 as a small gain in electronic and other electric equipment offset a decline in transportation equipment. Nondurable-goods employment, at 373,000, was also unchanged over the month. Employment in construction fell 1,000 from March to 199,000 in April, while mining employment remained at 18,000.

Service-Producing Industries. Employment in service-producing industries rose 1,000 from March to 3,566,000 in April. The increase of 3,000 workers in government resulted from the hiring of temporary census workers. Employment in services expanded by 2,000, and in wholesale trade by 1,000. These changes were partially offset by reductions in retail trade and transportation and public utilities.

Over the Year. Ohio's unemployment rate increased from 5.3 percent in April 1989 to 5.9 percent in April 1990. The national rate of 5.4 percent was up from 5.3 percent a year ago. Total employment in Ohio rose 8,000 from April 1989, while total unemployment was up 35,000. Over the year, nonagricultural wage and salary employment advanced 114,000. The largest gains were in services (+37,000) and in retail trade (+36,000). Government and wholesale trade also experienced notable growth. Increases in construction and nondurable-goods employment were moderated by scattered declines in durable-goods industries, raising employment in the goods-producing sector 3,000 from April 1989.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $518.75 per week in April, down $10.42 from March. Their average workweek of 41.6 hours was 0.7 hours shorter. Although workers in blast furnace and basic steel products had notably higher earnings, most major industries had reduced earnings due to less overtime. The most significant declines occurred in metal forgings and stampings, general industrial machinery, and metalworking machinery.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law totaled 51,085 in April, up 11.3 percent from March, and up 45.3 percent from April 1989. Total

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

benefits paid fell 25.9 percent to $60.8 million. The average weekly benefit check decreased $2.69 from March to $169.77. The average weekly number of benefit recipients, at 91,346, was down 17.7 percent. At the end of April, there were 207,217 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 34,945 new job applicants in April, down 6.1 percent from March, and down 0.4 percent from April 1989. Job openings received from employers rose 14.6 percent from March to 10,696. The Employment Services Division made 31,620 job referrals and 3,904 placements.

Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644-2689, or write:

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			**Change[b]** (in thousands)		**Percent Change[c]**	
	Apr. 1990	Mar. 1990	Apr. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,417	5,402	5,374	15	43	.3	.8
Employment	5,098	5,107	5,090	-9	8	-.2	.2
Unemployment	319	295	284	24	35	8.1	12.3
Unemployment Rate	5.9	5.5	5.3				
Employer Survey Data[e]							
Total	4,905	4,905	4,791	0	114	.0	2.4
Goods-Producing Industries	1,339	1,340	1,336	-1	3	-.1	.2
Mining	18	18	18	0	0	.1	-.3
Coal Mining	8	8	8	0	0	-.2	-.2
Oil and Gas Extraction	6	6	6	0	0	.5	-2.1
Construction	199	200	193	-1	7	-.5	3.6
General Building Contractors	47	48	47	-1	0	-2.2	.9
Heavy Construction, Except Building	23	24	24	0	0	-.1	-1.0
Special Trade Contractors	129	128	122	0	7	.1	5.5
Manufacturing	1,121	1,122	1,125	0	-4	.0	-.3
Durable Goods	749	749	756	0	-7	.0	-1.0
Lumber and Wood Products	23	23	22	0	2	.5	7.2
Furniture and Fixtures	16	16	16	0	0	-.7	.9
Stone, Clay, and Glass Products	46	46	46	0	0	-.4	.2
Primary Metal Industries	100	101	103	0	-2	-.1	-2.3
Fabricated Metal Products	135	135	137	0	-2	.2	-1.2
Industrial Machinery and Equipment	167	167	168	0	-1	.0	-.7
Electronic and Other Electric Equipment	79	78	79	1	-1	.6	-.8
Transportation Equipment	141	142	144	-1	-3	-.5	-2.1
Instruments and Related Products	26	26	27	0	-1	-.3	-2.2
Nondurable Goods	373	373	369	0	4	.0	1.0
Food and Kindred Products	64	64	63	0	1	.2	1.0
Apparel and Other Textile Products	15	15	16	0	-1	-1.4	-4.8
Paper and Allied Products	38	38	38	0	0	.0	1.2
Printing and Publishing	75	75	73	0	2	-.3	2.2
Chemicals and Allied Products	66	66	65	0	1	-.3	1.6
Rubber and Misc. Plastics Products	96	96	96	0	0	.2	.0
Service-Producing Industries	3,566	3,565	3,455	1	111	.0	3.2
Transportation and Public Utilities	218	220	215	-1	4	-.5	1.8
Transportation	128	129	124	-1	4	-.8	3.1
Communications, Electric, Gas Services	90	91	90	0	0	-.2	.0

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Apr. 1990	Mar. 1990	Apr. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	270	270	261	1	10	.2	3.6
Wholesale Trade-Durable Goods	171	171	166	0	6	.3	3.4
Wholesale Trade-Nondurable Goods	99	99	95	0	4	.1	4.1
Retail Trade	932	934	896	-2	36	-.3	4.0
Building Materials and Garden Supplies	36	36	34	0	2	-1.1	5.5
General Merchandise Stores	128	128	126	0	2	.1	1.6
Food Stores	144	144	139	0	5	.0	3.5
Automotive Dealers and Service Stations	102	102	98	0	4	-.1	4.2
Apparel and Accessory Stores	52	51	48	1	4	1.7	8.8
Furniture and Homefurnishings Stores	33	33	31	0	2	1.2	5.1
Eating and Drinking Places	315	320	307	-4	8	-1.3	2.7
Miscellaneous Retail	122	121	113	1	9	.6	8.1
Finance, Insurance, and Real Estate	257	257	251	0	6	-.1	2.6
Finance	121	121	119	0	2	-.2	1.5
Depository Institutions	91	91	90	0	1	-.3	.8
Insurance	93	93	91	0	2	.2	2.6
Real Estate	44	44	41	0	2	-.4	5.5
Services	1,168	1,166	1,131	2	37	.1	3.3
Hotels and Other Lodging Places	39	39	38	0	1	.1	1.8
Personal Services	55	55	54	0	1	.4	2.6
Business Services	213	213	200	0	13	.2	6.5
Amusements, Including Motion Pictures	56	55	57	1	-2	1.9	-2.8
Health Services	394	393	382	1	12	.2	3.2
Legal Services	30	30	28	0	2	.6	5.9
Educational Services	60	61	62	-2	-2	-2.5	-3.5
Social Services	74	74	71	0	3	-.4	3.6
Membership Organizations	80	80	78	0	2	.2	3.1
Engineering and Management Services	86	87	84	-1	2	-.7	2.2
Government	720	718	702	3	19	.4	2.7
Federal Government	99	97	97	2	3	2.2	2.6
State Government	162	162	157	0	4	.2	2.8
State Government Education	84	84	82	0	2	.3	2.9
Local Government	460	459	448	0	12	.1	2.6
Local Government Education	269	269	262	0	6	.0	2.4

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,310	4,977	333	6.3	5.5	April
5,278	4,957	321	6.1	5.6	May
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April

Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

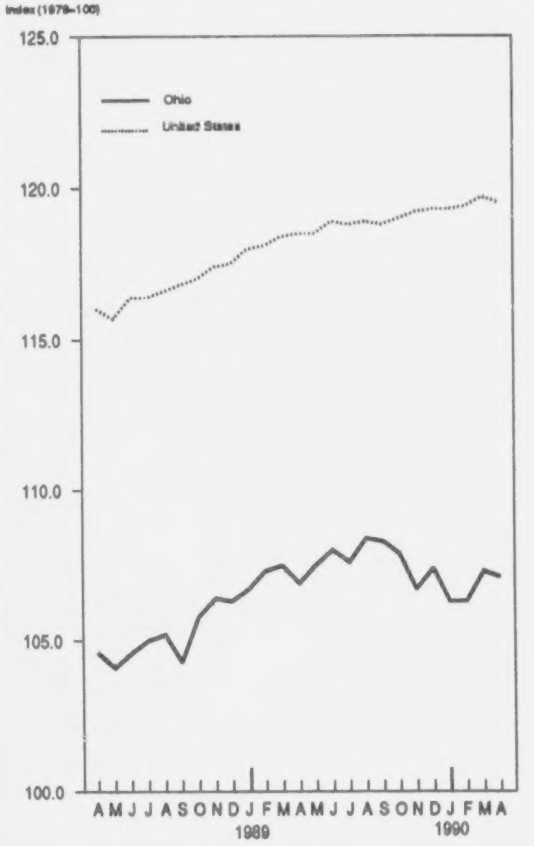
	Nonagricultural Employment				
		Goods-Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
April	4,684	1,314	19	190	1,105
May	4,689	1,312	19	188	1,105
June	4,707	1,316	19	188	1,109
July	4,713	1,319	19	186	1,114
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,892	1,341	18	199	1,124
March	4,905	1,340	18	200	1,122
April	4,905	1,339	18	199	1,121

Service-Producing Employment
(In Thousands)

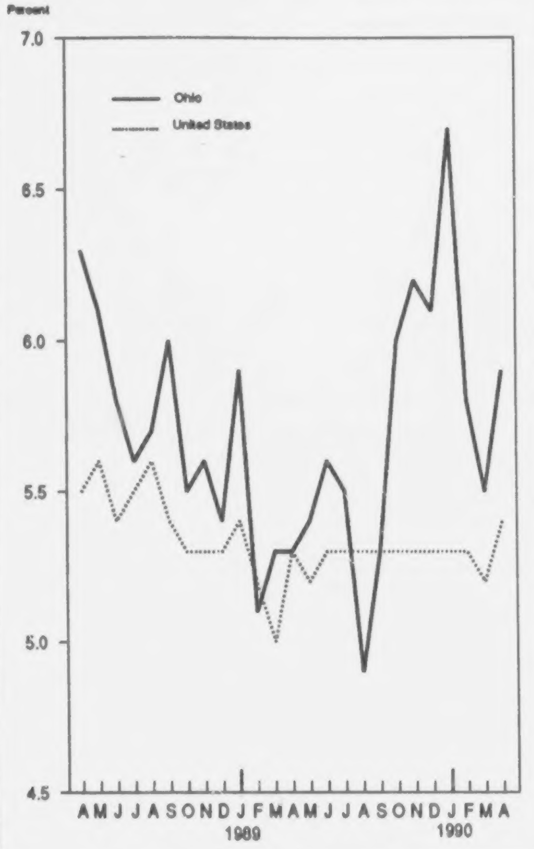
Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,370	211	April	255	877	249	April	1,086	691
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,566	218	April	270	932	257	April	1,168	720

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

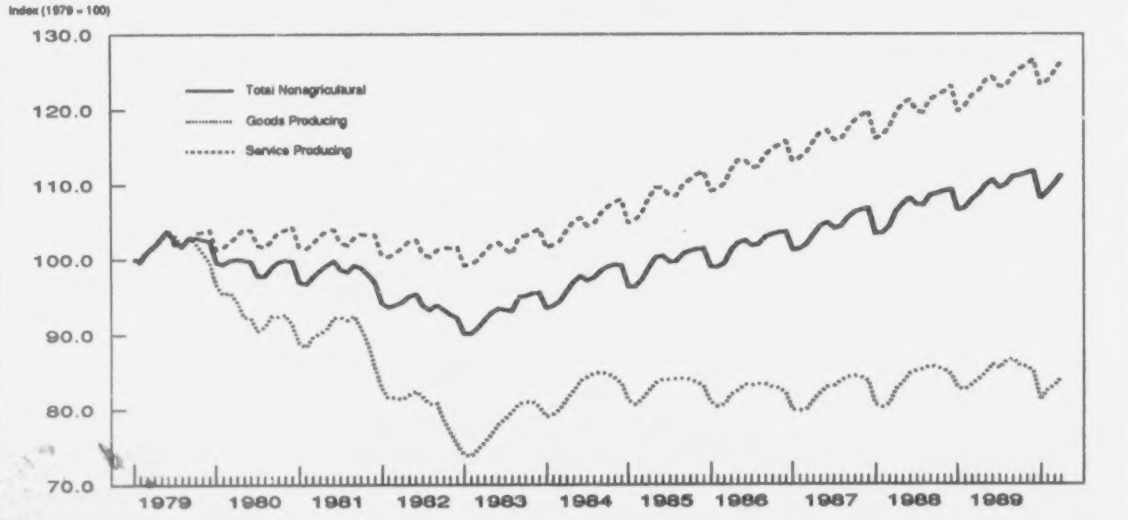
Indexes of Total Employment
Ohio and U.S. [Seasonally Adjusted]



Unemployment Rates
Ohio and U.S. [Seasonally Adjusted]



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

	Civilian Labor Force			Unemployment Rates	
	Total	Employed	Unemployed	Ohio	U.S.
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,232	4,806	425	8.1	7.0
1987	5,253	4,886	367	7.0	6.2
1988	5,322	5,002	320	6.0	5.5
1989	5,419	5,118	300	5.5	5.3
1989					
April	5,333	5,066	268	5.0	5.1
May	5,393	5,117	276	5.1	5.0
June	5,505	5,184	320	5.8	5.5
July	5,483	5,210	273	5.0	5.3
August	5,481	5,223	259	4.7	5.1
September	5,425	5,158	267	4.9	5.1
October	5,477	5,169	308	5.6	5.0
November	5,434	5,113	321	5.9	5.2
December	5,421	5,094	328	6.0	5.1
1990					
January	5,391	4,979	412	7.6	5.9
February	5,344	4,998	346	6.5	5.8
March	5,353	5,035	318	5.9	5.4
April	5,373	5,071	302	5.6	5.2

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1979	4,484.8	1,596.8	31.6	182.9	1,382.3
1980	4,367.4	1,462.5	30.7	167.4	1,264.3
1981	4,317.7	1,417.0	30.7	153.7	1,232.6
1982	4,124.3	1,264.8	30.3	134.6	1,099.9
1983	4,092.5	1,223.4	26.6	130.8	1,066.0
1984	4,260.2	1,299.7	27.8	144.8	1,127.0
1985	4,372.9	1,304.3	26.1	154.0	1,124.2
1986	4,471.4	1,293.1	22.6	160.7	1,109.8
1987	4,582.6	1,296.2	20.9	176.4	1,098.9
1988	4,700.6	1,315.1	18.9	185.6	1,110.6
1989	4,817.2	1,333.9	17.8	193.1	1,123.0
1989					
April	4,777.0	1,320.5	17.8	181.5	1,121.2
May	4,827.0	1,333.3	17.8	191.3	1,124.2
June	4,858.3	1,351.4	18.1	201.8	1,131.5
July	4,815.3	1,343.2	15.4	209.6	1,118.2
August	4,830.3	1,358.7	18.5	212.3	1,128.0
September	4,877.8	1,361.7	18.5	211.8	1,131.4
October	4,885.7	1,347.1	18.6	212.3	1,116.3
November	4,900.8	1,346.8	18.3	205.5	1,123.0
December	4,909.6	1,335.6	18.1	195.8	1,121.7
1990					
January	4,752.1	1,275.5	17.6	170.6	1,087.3
February	4,790.2	1,297.3	17.3	166.2	1,113.8
March	4,834.5	1,307.0	17.5	174.7	1,114.8
April	4,890.7	1,323.7	17.7	188.3	1,117.6

Service–Producing Employment

(in thousands)

	Total	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1979	2,888.0	232.1	234.0	741.2	200.6	806.2	674.0
1980	2,904.9	223.1	231.7	725.5	203.8	830.9	689.9
1981	2,900.7	217.2	233.6	716.5	205.8	851.6	676.0
1982	2,859.5	206.8	227.1	702.3	206.4	857.3	659.6
1983	2,869.2	198.5	223.6	709.9	207.8	873.3	656.1
1984	2,960.5	203.9	237.9	746.8	211.5	905.2	655.2
1985	3,068.5	202.7	245.1	786.5	219.3	949.5	665.2
1986	3,178.4	203.4	245.7	817.1	232.3	1,001.0	678.9
1987	3,286.4	207.8	249.4	846.9	243.8	1,051.2	687.3
1988	3,385.5	212.1	256.4	877.4	249.0	1,096.8	693.8
1989	3,483.3	215.9	264.0	904.2	252.6	1,140.8	705.7
1989							
April	3,456.5	212.8	260.3	886.2	249.4	1,131.3	716.6
May	3,493.6	215.1	262.4	899.5	251.2	1,142.5	723.0
June	3,506.9	217.4	265.2	909.2	254.2	1,157.8	703.2
July	3,472.1	217.5	265.8	910.3	255.9	1,158.8	663.8
August	3,471.5	218.5	265.7	915.4	256.1	1,160.0	655.8
September	3,516.0	219.0	266.0	916.8	254.9	1,165.8	693.6
October	3,538.6	219.4	268.0	919.7	254.1	1,156.2	721.2
November	3,554.0	219.4	268.5	933.3	254.3	1,152.0	726.5
December	3,574.0	220.4	269.6	949.1	254.7	1,150.5	729.7
1990							
January	3,476.5	213.7	266.4	905.9	253.6	1,122.6	714.2
February	3,492.9	213.7	266.2	897.5	253.8	1,133.2	728.6
March	3,527.5	215.0	267.7	906.6	255.0	1,147.7	735.5
April	3,567.0	216.4	269.6	921.9	255.8	1,167.7	735.7

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,121.2	755.2	366.0	April	769.7	401.3	32.9
1,124.2	756.5	367.7	May	771.7	403.0	33.0
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,117.6	747.9	369.7	April	764.7	396.7	31.8

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
521.37	541.73	473.82	April	42.7	43.2	41.6	April	12.21	12.54	11.39
522.22	543.02	473.10	May	42.7	43.2	41.5	May	12.23	12.57	11.40
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
518.75	537.58	477.24	April	41.6	41.9	41.0	April	12.47	12.83	11.64

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.4	103.2	136.5	April	167.8	78.9	144.8	April	61.8	73.1	96.0
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.5	100.8	134.8	April	166.7	78.2	142.0	April	62.4	74.8	96.1

Average Weekly Earnings of Production Workers

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
478.08	624.34	509.65	April	538.46	457.60	683.55	April	455.20	448.84	444.37
473.45	620.64	514.61	May	537.34	457.19	692.19	May	454.69	446.18	450.71
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
488.06	633.94	496.05	April	510.83	434.72	709.28	April	444.11	461.77	436.97

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	4890.7	4834.5	4777.0	56.2	113.7
Goods-Producing Industries	1323.7	1307.0	1320.5	16.7	3.2
Mining	17.7	17.5	17.8	.3	.0
Coal Mining	7.5	7.5	7.5	.0	.0
Oil and Gas Extraction	5.3	5.5	5.5	-.2	-.1
Construction	188.3	174.7	181.5	13.6	6.8
General Building Contractors	45.5	43.6	45.0	1.9	.5
Nonresidential Building Construction	22.7	22.0	23.4	.7	-.8
Heavy Construction, Except Building	21.0	17.3	21.2	3.7	-.2
Highway and Street Construction	6.7	4.7	6.7	2.0	-.1
Special Trade Contractors	121.9	113.8	115.4	8.1	6.5
Manufacturing	1117.6	1114.8	1121.2	2.8	-3.6
Durable Goods[f]	747.9	746.1	755.2	1.8	-7.3
Lumber and Wood Products	23.1	22.4	21.5	.6	1.5
Millwork, Plywood and Structural Members	10.2	9.9	9.7	.3	.5
Furniture and Fixtures	15.6	15.8	15.5	-.1	.1
Stone, Clay, and Glass Products	45.5	45.0	45.4	.5	.1
Primary Metal Industries	100.8	100.9	103.2	.0	-2.3
Blast Furnace and Basic Steel Products	47.1	46.7	46.7	.4	.4
Iron and Steel Foundries	19.2	20.3	20.8	-1.2	-1.6
Nonferrous Rolling and Drawing	16.6	16.2	17.6	.4	-1.1
Nonferrous Foundries	10.9	10.5	10.7	.4	.2
Fabricated Metal Products	134.8	134.1	136.5	.7	-1.7
Fabricated Structural Metal Products	30.2	29.6	29.8	.7	.4
Metal Forgings and Stampings	38.4	38.6	40.0	-.2	-1.7
Industrial Machinery and Equipment	166.7	167.0	167.8	-.4	-1.1
Construction and Related Machinery	14.4	14.5	13.9	.0	.5
Metalworking Machinery	47.1	47.2	47.8	-.1	-.7
Special Industry Machinery	17.5	17.4	17.1	.0	.4
General Industrial Machinery	25.7	25.7	26.2	.0	-.5
Computer and Office Equipment	11.1	11.2	11.4	.0	-.3
Refrigeration and Service Machinery	15.4	15.6	16.4	-.2	-1.0
Electronic and Other Electric Equipment	78.2	78.3	78.9	.0	-.6
Electrical Industrial Apparatus	12.3	12.4	12.5	-.1	-.2
Household Appliances	15.8	15.8	14.9	.0	.9
Electric Lighting and Wiring Equipment	16.4	16.5	16.6	-.1	-.3
Electronic Components and Accessories	11.4	11.5	11.4	.0	.0
Transportation Equipment	142.0	141.6	144.8	.4	-2.8
Motor Vehicles and Equipment	96.3	95.9	99.7	.4	-3.5
Aircraft and Parts	36.8	36.8	36.3	.1	.5
Instruments and Related Products	26.1	26.2	26.7	.0	-.6
Measuring and Controlling Devices	15.9	16.0	16.2	-.1	-.3
Nondurable Goods[g]	369.7	368.7	366.0	1.0	3.7
Food and Kindred Products	62.4	62.2	61.8	.2	.6
Dairy Products	10.4	10.3	10.2	.1	.2
Preserved Fruits and Vegetables	10.5	10.8	10.4	-.3	.1
Bakery Products	9.7	9.5	9.5	.2	.2
Apparel and Other Textile Products	14.9	15.1	15.7	-.2	-.7
Paper and Allied Products	37.8	37.8	37.3	.0	.5
Paperboard Containers and Boxes	13.8	13.9	13.3	.0	.5
Miscellaneous Converted Paper Products	12.3	12.2	12.2	.1	.2
Printing and Publishing	74.8	74.7	73.1	.1	1.6
Newspapers	19.1	19.1	18.6	.1	.5
Commercial Printing	27.5	27.4	27.0	.0	.5
Chemicals and Allied Products	65.5	65.6	64.5	-.1	1.0
Plastics Materials and Synthetics	9.8	9.8	9.5	.0	.3
Rubber and Miscellaneous Plastics Products	96.1	95.5	96.0	.6	.0
Tires and Inner Tubes	15.8	15.8	15.5	.1	.3
Miscellaneous Plastics Products	58.1	57.9	57.8	.2	.3
Service-Producing Industries	3567.0	3527.5	3456.5	39.5	110.6
Transportation and Public Utilities	216.4	215.0	212.8	1.5	3.7
Transportation	126.6	125.1	122.9	1.5	3.7
Railroad Transportation	12.2	11.8	13.0	.4	-.8
Trucking and Warehousing	75.7	75.2	73.9	.5	1.8
Transportation by Air	14.0	14.0	12.8	-.1	1.1
Communications, Electric, Gas Services	89.8	89.9	89.8	.0	.0
Communications	46.6	46.7	47.5	-.1	-.9
Electric, Gas, and Sanitary Services	43.3	43.2	42.4	.1	.9

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Wholesale Trade	269.6	267.7	260.3	1.9	9.3
Wholesale Trade-Durable Goods	170.8	169.7	165.4	1.1	5.4
Motor Vehicles, Parts, and Supplies	22.9	22.8	22.7	.1	.1
Professional and Commercial Equipment	32.9	32.8	31.9	.2	1.1
Metals and Minerals, Except Petroleum	11.3	11.2	11.1	.1	.2
Electrical Goods	18.7	18.7	18.4	.0	.3
Hardware, Plumbing and Heating Equipment	12.9	12.8	12.5	.1	.4
Machinery, Equipment, and Supplies	42.9	42.7	41.0	.2	2.0
Wholesale Trade-Nondurable Goods	98.8	98.0	94.8	.7	3.9
Groceries and Related Products	32.5	32.4	31.2	.1	1.3
Retail Trade	921.9	906.6	886.2	15.3	35.7
Building Materials and Garden Supplies	36.4	34.3	34.5	2.1	1.9
Lumber and Other Building Materials	17.9	17.4	17.0	.6	.9
General Merchandise Stores	123.9	123.3	121.9	.6	2.0
Department Stores	100.9	100.4	98.8	.5	2.1
Variety Stores	13.5	13.4	13.3	.1	.2
Food Stores	142.2	140.9	137.4	1.3	4.8
Grocery Stores	125.9	124.8	121.8	1.1	4.1
Automotive Dealers and Service Stations	101.6	100.4	97.5	1.1	4.1
New and Used Car Dealers	44.9	44.6	43.5	.3	1.4
Gasoline Service Stations	35.4	35.1	32.8	.3	2.6
Apparel and Accessory Stores	50.4	49.5	46.4	.9	4.1
Furniture and Homefurnishings Stores	32.7	32.4	31.1	.3	1.6
Eating and Drinking Places	314.8	306.8	306.5	8.0	8.3
Miscellaneous Retail	119.9	118.9	111.0	1.0	8.9
Drug Stores and Proprietary Stores	32.2	31.8	30.1	.4	2.1
Nonstore Retailers	22.9	23.2	20.8	-.3	2.1
Finance, Insurance, and Real Estate	255.8	255.0	249.4	.8	6.4
Finance	120.2	120.4	118.5	-.2	1.8
Depository Institutions	90.4	90.6	89.7	-.2	.7
Commercial Banks	63.8	63.9	62.6	-.1	1.2
Insurance	92.7	92.6	90.3	.2	2.4
Insurance Carriers	71.0	70.8	69.4	.3	1.6
Life Insurance	26.0	25.9	25.9	.1	.2
Fire, Marine, and Casualty Insurance	31.6	31.5	30.2	.1	1.5
Real Estate	42.8	42.1	40.6	.8	2.2
Services	1167.7	1147.7	1131.3	19.9	36.4
Hotels and Other Lodging Places	37.7	36.6	37.0	1.1	.7
Personal Services	56.6	55.8	55.2	.8	1.5
Business Services	211.0	208.3	198.3	2.7	12.7
Services to Buildings	33.1	32.8	31.8	.3	1.3
Personnel Supply Services	72.0	70.7	67.8	1.3	4.2
Computer and Data Processing Services	27.3	27.0	24.8	.3	2.5
Amusements, Including Motion Pictures	53.6	44.4	55.2	9.3	-1.6
Health Services	391.9	390.6	379.9	1.3	12.0
Nursing and Personal Care Facilities	85.3	84.8	82.1	.5	3.2
Hospitals	189.7	189.7	185.7	.0	4.0
Legal Services	29.4	29.3	27.8	.1	1.6
Educational Services	64.1	66.1	66.3	-2.0	-2.3
Colleges and Universities	35.9	37.6	38.5	-1.7	-2.6
Social Services	74.1	74.1	71.6	.0	2.6
Residential Care	22.8	22.7	21.7	.2	1.1
Membership Organizations	80.0	79.5	77.7	.5	2.3
Engineering and Management Services	86.6	86.3	84.7	.3	1.8
Engineering and Architectural Services	26.4	26.2	25.6	.2	.8
Accounting, Auditing, and Bookkeeping	21.8	22.0	21.6	-.2	.2
Research and Testing Services	18.9	18.7	18.4	.2	.5
Management and Public Relations	19.5	19.3	19.2	.2	.3
Government	735.7	735.5	716.6	.1	19.1
Federal Government	98.9	96.3	96.4	2.6	2.5
U.S. Postal Service	33.9	34.0	34.9	-.1	-1.0
State Government	170.0	170.3	165.2	-.3	4.8
State Government Hospitals	16.0	16.0	15.6	.0	.5
State Government Education[h]	92.2	93.3	89.6	-1.1	2.7
Local Government	466.8	468.9	455.0	-2.1	11.8
Local Government Hospitals	14.8	14.8	14.3	.0	.5
Local Government Education	278.3	282.0	271.7	-3.7	6.6

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Goods-Producing Industries	$529.31	$543.44	$524.17	41.0	41.9	41.7	$12.91	$12.97	$12.57
Mining	616.66	628.69	583.87	44.3	45.1	43.9	13.92	13.94	13.30
Coal Mining	751.69	764.10	704.55	44.4	45.0	42.7	16.93	16.98	16.50
Construction	584.73	622.91	611.53	37.7	39.4	40.1	15.51	15.81	15.25
General Building Contractors	527.68	554.45	531.55	38.8	40.5	39.2	13.60	13.69	13.56
Heavy Construction, Except Building	557.99	568.83	740.44	35.7	37.3	44.1	15.63	15.25	16.79
Special Trade Contractors	606.59	653.25	616.54	37.7	39.4	39.7	16.09	16.58	15.53
Manufacturing	518.75	529.17	521.37	41.6	42.3	42.7	12.47	12.51	12.21
Durable Goods[f]	537.58	548.26	541.73	41.9	42.6	43.2	12.83	12.87	12.54
Lumber and Wood Products	320.54	327.13	332.93	38.9	39.7	40.9	8.24	8.24	8.14
Millwork, Plywood and Structural Members	355.31	366.63	363.79	40.7	41.9	42.9	8.73	8.75	8.48
Furniture and Fixtures	365.76	378.02	384.14	39.8	41.0	41.8	9.19	9.22	9.19
Stone, Clay, and Glass Products	488.06	484.79	478.08	42.7	42.6	42.8	11.43	11.38	11.17
Primary Metal Industries	633.94	618.62	624.34	43.6	43.2	44.5	14.54	14.32	14.03
Blast Furnace and Basic Steel Products	643.55	622.08	640.01	44.2	43.2	44.6	14.56	14.40	14.35
Iron and Steel Foundries	703.93	682.63	661.62	44.3	44.5	45.1	15.89	15.34	14.67
Nonferrous Rolling and Drawing	661.99	638.39	652.21	41.4	40.1	42.6	15.99	15.92	15.31
Nonferrous Foundries	445.21	471.08	467.56	42.2	44.4	44.7	10.55	10.61	10.46
Fabricated Metal Products	496.05	512.36	509.65	41.2	42.1	42.4	12.04	12.17	12.02
Fabricated Structural Metal Products	457.75	462.26	440.90	41.5	42.1	40.9	11.03	10.98	10.78
Metal Forgings and Stampings	608.19	636.66	639.01	41.6	42.7	44.1	14.62	14.91	14.49
Industrial Machinery and Equipment	510.83	535.62	538.46	41.7	43.3	44.1	12.25	12.37	12.21
Construction and Related Machinery	439.70	449.27	443.39	39.4	39.9	41.4	11.16	11.26	10.71
Metalworking Machinery	508.89	531.02	527.01	42.8	44.4	44.7	11.89	11.96	11.79
Special Industry Machinery	489.62	525.54	516.40	42.1	44.2	45.1	11.63	11.89	11.45
General Industrial Machinery	533.08	581.36	577.71	40.6	43.0	43.7	13.13	13.52	13.22
Computer and Office Equipment	496.06	474.61	451.77	43.4	42.3	40.7	11.43	11.22	11.10
Refrigeration and Service Machinery	555.39	553.20	624.36	40.1	40.0	44.0	13.85	13.83	14.19
Electronic and Other Electric Equipment	434.72	457.97	457.60	39.7	41.0	41.3	10.95	11.17	11.08
Electrical Industrial Apparatus	415.04	446.68	448.49	40.1	42.1	43.5	10.35	10.61	10.31
Household Appliances	471.64	486.42	476.71	39.6	40.3	39.3	11.91	12.07	12.13
Electric Lighting and Wiring Equipment	450.85	493.64	481.63	38.9	41.0	41.2	11.59	12.04	11.69
Electronic Components and Accessories	323.21	331.30	346.92	40.2	40.8	41.3	8.04	8.12	8.40
Transportation Equipment	709.28	718.39	683.55	44.0	44.4	44.3	16.12	16.18	15.43
Motor Vehicles and Equipment	739.47	745.02	703.04	44.6	44.8	44.3	16.58	16.63	15.87
Aircraft and Parts	634.30	669.55	658.60	42.4	44.4	45.8	14.96	15.08	14.38
Instruments and Related Products	374.01	390.98	377.06	39.0	40.1	39.9	9.59	9.75	9.45
Measuring and Controlling Devices	368.06	381.00	378.24	38.3	39.4	39.4	9.61	9.67	9.50
Nondurable Goods[g]	477.24	483.89	473.82	41.0	41.5	41.6	11.64	11.66	11.39
Food and Kindred Products	444.11	458.27	455.20	40.3	41.1	41.8	11.02	11.15	10.89
Dairy Products	479.40	488.86	464.19	42.5	43.3	43.1	11.28	11.29	10.77
Preserved Fruits and Vegetables	451.63	474.00	485.20	38.9	40.0	41.9	11.61	11.85	11.58
Bakery Products	481.77	491.53	460.92	39.2	39.8	38.7	12.29	12.35	11.91
Apparel and Other Textile Products	304.99	307.23	298.24	37.7	38.5	37.8	8.09	7.98	7.89
Paper and Allied Products	492.15	505.04	494.76	42.5	43.5	43.4	11.58	11.61	11.40
Paperboard Containers and Boxes	413.92	435.08	424.20	40.7	42.2	42.0	10.17	10.31	10.10
Miscellaneous Converted Paper Products	429.22	488.12	447.72	40.8	44.7	43.3	10.52	10.92	10.34
Printing and Publishing	461.77	472.42	448.84	39.4	39.9	39.2	11.72	11.84	11.45
Newspapers	376.49	399.46	376.66	33.2	34.2	33.6	11.34	11.68	11.21
Commercial Printing	464.46	481.90	437.60	40.6	41.4	40.0	11.44	11.64	10.94
Chemicals and Allied Products	604.15	606.42	579.61	43.0	43.1	42.4	14.05	14.07	13.67
Plastics Materials and Synthetics	682.23	672.98	672.84	44.1	43.7	44.5	15.47	15.40	15.12
Rubber and Miscellaneous Plastics Products	436.97	446.13	444.37	40.8	41.5	42.2	10.71	10.75	10.53
Tires and Inner Tubes	652.83	723.00	698.60	42.2	45.5	45.9	15.47	15.89	15.22
Miscellaneous Plastics Products	426.94	427.22	428.64	40.7	41.0	41.9	10.49	10.42	10.23
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	625.80	618.24	575.91	42.0	42.0	40.7	14.90	14.72	14.15
Communications	568.50	556.56	545.48	39.7	39.5	39.7	14.32	14.09	13.74
Electric, Gas, and Sanitary Services	691.75	689.66	610.28	44.6	44.9	41.8	15.51	15.36	14.60
Wholesale Trade	414.46	412.51	398.58	39.1	39.1	39.0	10.60	10.55	10.22
Wholesale Trade-Durable Goods	406.77	408.72	387.22	39.0	39.3	38.8	10.43	10.40	9.98
Motor Vehicles, Parts, and Supplies	355.30	353.63	329.24	37.4	37.7	36.3	9.50	9.38	9.07
Metals and Minerals, Except Petroleum	472.58	477.28	443.31	41.6	42.2	42.1	11.36	11.31	10.53
Wholesale Trade-Nondurable Goods	425.80	418.35	417.76	39.1	38.7	39.3	10.89	10.81	10.63

See footnotes on page 13.

Ohio (continued)

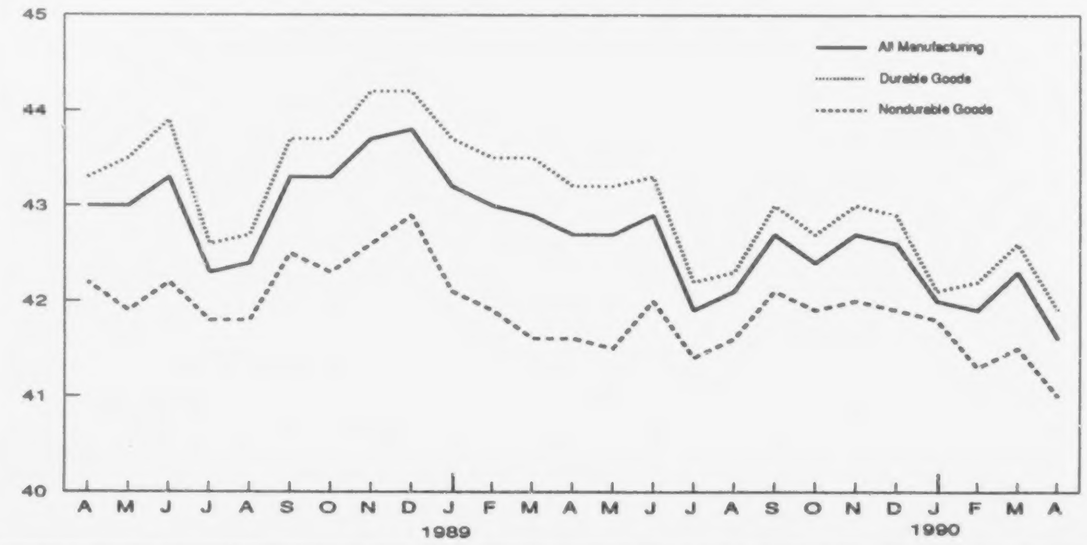
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

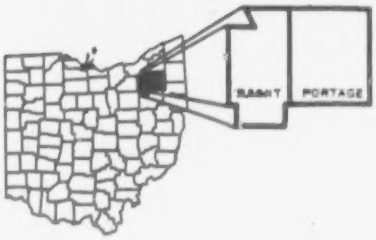
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Retail Trade[j]	$177.44	$174.71	$172.35	27.9	27.6	28.3	$6.36	$6.33	$6.09
General Merchandise Stores	189.89	188.72	180.76	28.3	28.0	28.2	6.71	6.74	6.41
Department Stores	192.72	193.45	186.84	28.3	28.2	28.7	6.81	6.86	6.51
Finance, Insurance, and Real Estate	353.82	351.87	339.47	....	....	....	.....	.....	.....
Finance	326.54	327.16	317.82	....	....	....	.....	.....	.....
Depository Institutions	279.67	280.40	271.74	....	....	....	.....	.....	.....
Commercial Banks	276.89	277.42	270.66	....	....	....	.....	.....	.....
Insurance	420.54	415.12	397.46	....	....	....	.....	.....	.....
Insurance Carriers	405.15	402.03	387.50	....	....	....	.....	.....	.....
Life Insurance	378.28	368.63	363.84	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	435.65	436.09	408.33	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	236.16	236.75	213.34	32.0	32.7	31.7	7.38	7.24	6.73
Health Services	310.94	309.68	293.20	31.6	31.6	31.8	9.84	9.80	9.22
Nursing and Personal Care Facilities	210.20	207.00	192.13	31.8	31.7	31.6	6.61	6.53	6.08
Hospitals	365.80	364.82	346.45	32.4	32.4	32.5	11.29	11.26	10.66
Engineering and Management Services	493.32	495.65	438.75	35.8	36.1	35.7	13.78	13.73	12.29
Engineering and Architectural Services	687.82	695.30	597.60	32.8	33.3	33.2	20.97	20.88	18.00
Research and Testing Services	379.74	389.24	345.93	36.2	37.0	35.7	10.49	10.52	9.69

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [f] Includes miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



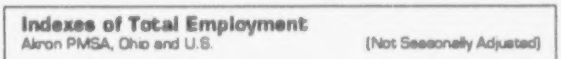
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

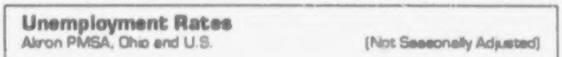


Nonfarm payroll employment in the Akron metropolitan area rose 4,100 from March to 289,500 in April 1990. Seasonal gains in services, especially amusements, including motion pictures, and in retail trade added 2,800 jobs to service-producing industries. Improvement in construction employment raised goods-producing industries 1,200 over the month to 78,100. Manufacturing production workers averaged $11.58 per hour, down 13 cents from March. Their average workweek of 41.3 hours was 1.4 hours shorter.

Nonagricultural wage and salary employment advanced 8,300 between April 1989 and April 1990. The growth was concentrated in service-producing industries. Leading areas of expansion were services (+4,000) and retail trade (+2,100). Employment in goods-producing industries increased 300 during the period. Modest gains in construction and nondurable-goods manufacturing outweighed a decline in durable-goods manufacturing.

Seasonally adjusted employment in the Akron area increased 1,000 from March to 289,000 in April 1990 due to slight gains in service-producing industries and construction. Since April 1989, total payroll employment advanced 8,000. Noteworthy growth occurred in services and retail trade. Wholesale trade, finance, insurance, and real estate, government, and construction each added 1,000.


Indexes of Total Employment
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force: Total	Civilian Labor Force: Employed	Civilian Labor Force: Unemployed: Total	Civilian Labor Force: Unemployed: Rate		Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings: Average Weekly Earnings	Hours & Earnings: Average Weekly Hours	Hours & Earnings: Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
328.8	312.4	16.4	5.0	April	281.2	67.7	39.8	493.85	42.5	11.62
332.8	316.2	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.8	38.6	500.02	42.7	11.71
INA	INA	INA	INA	April	289.5	67.6	38.7	478.25	41.3	11.58

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
281	78	10	68	April	203	13	15	55	10	65	44
282	78	10	68	May	203	13	15	55	10	66	44
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	211	13	16	57	11	69	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	289.5	285.4	281.2	4.1	8.3
Goods-Producing Industries[e]	78.1	76.9	77.8	1.2	.3
Construction	10.0	8.7	9.5	1.3	.5
Manufacturing	67.6	67.6	67.7	.0	-.2
Durable Goods[f]	34.5	34.6	35.0	.0	-.5
Fabricated Metal Products	10.9	10.9	11.1	.0	-.2
Fabricated Structural Metal Products	4.9	4.8	4.8	.0	.1
Industrial Machinery and Equipment	10.1	10.2	10.2	.0	.0
Metalworking Machinery	3.9	3.9	3.9	.0	.0
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.9	4.9	5.3	.0	-.4
Nondurable Goods[g]	33.0	33.0	32.7	.0	.3
Food and Kindred Products	3.1	3.0	2.9	.1	.2
Chemicals and Allied Products	3.6	3.6	3.7	.0	-.1
Rubber and Miscellaneous Plastics Products	20.5	20.4	20.1	.1	.4
Tires and Inner Tubes	11.4	11.4	11.2	.0	.2
Service-Producing Industries	211.4	208.6	203.4	2.8	8.0
Transportation and Public Utilities	13.4	13.3	13.0	.2	.4
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.8	15.7	15.3	.0	.5
Retail Trade	56.6	55.3	54.5	1.3	2.1
General Merchandise Stores	7.7	7.5	7.5	.2	.2
Food Stores	9.0	8.9	8.8	.1	.2
Finance, Insurance, and Real Estate	10.5	10.5	10.3	.1	.2
Finance	5.4	5.3	5.3	.0	.1
Services	68.4	66.9	64.4	1.5	4.0
Business Services	11.7	11.6	10.8	.1	.9
Personnel Supply Services	3.2	3.2	3.0	.0	.2
Amusements, Including Motion Pictures	6.3	5.3	5.0	1.1	1.4
Health Services	21.9	21.9	21.0	.0	.8
Nursing and Personal Care Facilities	3.9	3.9	3.6	.0	.3
Hospitals	10.9	10.9	10.7	.0	.3
Social Services	4.7	4.6	4.6	.0	.0
Engineering and Management Services	5.2	5.1	4.9	.0	.3
Government	46.7	47.0	45.9	-.2	.9
Federal Government	2.6	2.5	2.4	.1	.2
State Government	17.6	17.8	17.3	-.2	.3
State Government Education[h]	14.9	15.0	14.4	-.1	.5
Local Government	26.5	26.7	26.2	-.2	.3
Local Government Education	14.5	14.9	14.4	-.4	1

Hours and Earnings of Production or Nonsupervisory Workers[a]

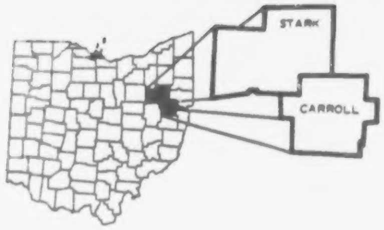
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$478.25	$500.02	$493.85	41.3	42.7	42.5	$11.58	$11.71	$11.62
Durable Goods[f]	485.47	503.76	501.08	41.6	42.8	42.5	11.67	11.77	11.79
Fabricated Metal Products	569.33	574.33	613.59	40.9	41.2	42.2	13.92	13.94	14.54
Fabricated Structural Metal Products	503.86	508.79	429.07	42.7	42.9	39.4	11.80	11.86	10.89
Industrial Machinery and Equipment	460.28	488.16	458.88	43.3	45.2	44.9	10.63	10.80	10.22
Metalworking Machinery	489.07	526.38	479.27	44.1	46.5	44.5	11.09	11.32	10.77
Electronic and Other Electric Equipment	422.69	407.59	398.52	41.4	40.8	41.0	10.21	9.99	9.72
Transportation Equipment	583.23	661.40	595.98	40.7	44.3	42.0	14.33	14.93	14.19
Nondurable Goods[g]	469.86	493.43	485.21	41.0	42.5	42.6	11.46	11.61	11.39
Food and Kindred Products	369.97	382.31	419.74	38.7	39.7	41.6	9.56	9.63	10.09
Chemicals and Allied Products	550.88	530.29	504.57	44.0	42.8	41.7	12.52	12.39	12.10
Rubber and Miscellaneous Plastics Products	462.38	484.22	481.00	41.1	42.7	43.1	11.25	11.34	11.16
Tires and Inner Tubes	789.44	795.87	824.28	47.3	47.8	50.2	16.69	16.65	16.42
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	607.11	586.04	579.96	41.3	40.5	40.9	14.70	14.47	14.18
Wholesale Trade	360.03	355.72	350.97	36.7	36.9	37.1	9.81	9.64	9.46
Retail Trade[i]	215.03	213.81	214.81	30.5	30.5	32.4	7.05	7.01	6.63
General Merchandise Stores	198.24	196.02	214.84	29.5	29.3	32.8	6.72	6.69	6.55
Food Stores	313.20	323.98	316.83	36.0	36.9	37.1	8.70	8.78	8.54
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	280.45	286.14	273.25	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

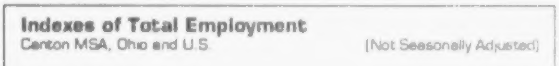
CANTON
METROPOLITAN STATISTICAL AREA

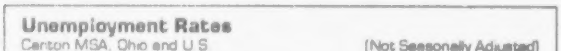


Nonagricultural payroll employment in the Canton metropolitan area totaled 165,400 in April 1990, up 2,200 from the March level. Seasonal trends in services and retail trade contributed most to the 2,100 gain in service-producing industries. Employment in goods-producing industries increased 100 to 51,900. More business in construction offset a decline in durable-goods manufacturing due to a labor- management dispute in primary metal industries. Factory production worker average hourly earnings of $11.36 were 14 cents higher than March. Their average workweek was unchanged at 42.1 hours.

Nonfarm wage and salary employment advanced 2,400 between April 1989 and April 1990. Service-producing industries gained 3,900 workers primarily due to expansion in retail trade and services. Scattered declines in manufacturing reduced employment in goods-producing industries 1,500 during the period. A current labor-management dispute in primary metal industries and over-the-year reductions in fabricated metal products and rubber and miscellaneous plastics products overshadowed modest growth in construction.

Seasonally adjusted employment in the Canton area was unchanged from March at 166,000 in April 1990. An increase in government was counterbalanced by a decline in manufacturing. Since April 1989, total payroll employment increased 2,000. Improvements in retail trade, services, government, and construction outweighed a decline in manufacturing.


Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
190.9	180.1	10.8	5.6	April	163.0	46.0	33.1	469.56	42.0	11.18
193.3	182.0	11.2	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.2	177.3	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
INA	INA	INA	INA	April	165.4	44.0	30.3	478.26	42.1	11.36

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	54	7	46	April	110	6	8	32	7	38	19
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
166	53	8	44	April	114	6	8	34	7	39	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	165.4	163.3	163.0	2.2	2.4
Goods-Producing Industries[e]	51.9	51.9	53.4	.1	-1.5
Construction	7.2	6.3	6.7	.8	.5
Manufacturing	44.0	44.8	46.0	-.8	-2.0
Durable Goods[f]	32.6	33.3	34.3	-.7	-1.7
Primary Metal Industries	10.5[j]	11.3	11.9	-.8	-1.3
Fabricated Metal Products	5.9	5.9	6.4	.0	-.5
Electronic and Other Electric Equipment	4.1	4.1	4.1	.0	.1
Nondurable Goods[g]	11.5	11.5	11.7	-.1	-.2
Food and Kindred Products	3.2	3.3	3.1	-.1	.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.2	.0	-.4
Service-Producing Industries	113.5	111.4	109.6	2.1	3.9
Transportation and Public Utilities	5.6	5.5	5.5	.0	.1
Communications, Electric, Gas Services	2.7	2.7	2.6	.0	.1
Wholesale Trade	8.4	8.3	8.4	.0	.0
Retail Trade	33.5	32.6	31.9	.9	1.6
General Merchandise Stores	4.1	4.0	4.1	.1	.0
Food Stores	5.6	5.5	5.4	.1	.2
Finance, Insurance, and Real Estate	6.8	6.8	6.8	.0	-.1
Finance	4.0	4.0	3.9	.0	.0
Services	39.4	38.4	37.8	1.0	1.6
Health Services	15.9	15.8	15.5	.1	.5
Nursing and Personal Care Facilities	3.8	3.8	3.7	.1	.1
Hospitals	7.4	7.4	7.3	.0	.1
Government	19.9	19.8	19.1	.1	.7
Federal Government	1.5	1.4	1.4	.1	.1
State Government (Includes Education)	1.8	1.7	1.7	.0	.0
Local Government	16.6	16.6	16.0	.0	.6
Local Government Education	10.1	10.1	9.7	.0	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

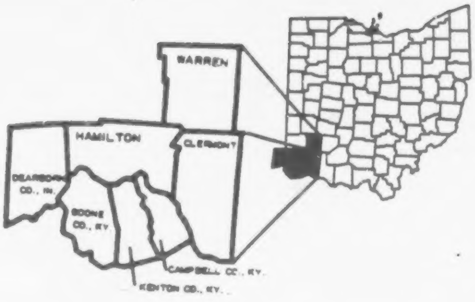
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$478.26	$472.36	$469.56	42.1	42.1	42.0	$11.36	$11.22	$11.18
Durable Goods[f]	503.53	493.48	495.07	43.0	42.8	42.9	11.71	11.53	11.54
Primary Metal Industries	558.60	534.89	523.49	45.6	45.1	45.6	12.25	11.86	11.48
Fabricated Metal Products	481.28	479.16	476.75	41.1	41.2	40.3	11.71	11.63	11.83
Electronic and Other Electric Equipment	520.81	547.42	501.80	39.1	40.4	38.6	13.32	13.55	13.00
Nondurable Goods[g]	404.32	408.40	391.43	39.6	40.0	39.3	10.21	10.21	9.96
Food and Kindred Products	432.55	408.18	391.04	40.2	38.8	37.6	10.76	10.52	10.40
Rubber and Miscellaneous Plastics Products	393.57	393.60	403.50	40.7	41.0	41.3	9.67	9.60	9.77
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	566.43	580.25	573.87	39.5	40.1	40.7	14.34	14.47	14.10
Wholesale Trade	382.08	387.44	379.38	38.4	38.9	37.6	9.95	9.96	10.09
Retail Trade[i]	173.76	172.67	164.71	28.3	28.4	28.3	6.14	6.08	5.82
General Merchandise Stores	191.40	193.72	191.58	29.0	29.0	30.9	6.60	6.68	6.20
Food Stores	160.25	166.20	158.42	27.3	27.7	27.6	5.87	[illegible].00	5.74
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	185.98	181.17	168.48	29.9	29.7	29.3	6.22	6.10	5.75

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

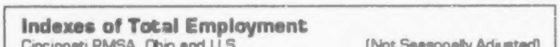
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

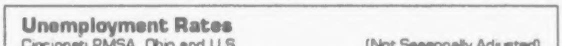


In the Cincinnati metropolitan area, nonfarm payroll employment rose 10,000 above the March level to 745,200 in April 1990. Seasonal improvements in services, especially amusements, including motion pictures, and more business in retail trade increased the workforce in service-producing industries 8,100. Employment in goods-producing industries, at 183,100, was 1,900 higher than last month. Expansion in construction more than offset scattered declines in manufacturing. Factory production workers averaged $11.75 per hour, down 16 cents from March. Their average workweek of 41.7 hours was 1.6 hours shorter.

Nonagricultural payroll employment advanced 27,300 between April 1989 and April 1990. Service-producing industries increased 22,400. Leading areas of expansion were retail trade (+9,900) and services (+6,400). Noteworthy gains were also posted in wholesale trade, transportation and public utilities, and government. Growth in manufacturing and construction boosted employment in goods-producing industries 4,900 above the year-ago level. Moderate improvements occurred in transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 747,000 in April 1990, up 1,000 from March. Improvements in service-producing industries more than offset a nominal decrease in manufacturing. Since April 1989, total payroll employment advanced 28,000. A major portion of the gain occurred in retail trade, services, and manufacturing.


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Cincinnati PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Cincinnati PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.8	497.64	42.9	11.60
				1989						
766.3	735.5	30.8	4.0	April	717.9	144.8	91.3	494.04	42.7	11.57
774.2	740.4	33.8	4.4	May	722.9	144.7	91.3	487.90	42.5	11.48
788.3	749.2	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
792.9	759.3	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.9	745.1	32.9	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
INA	INA	INA	INA	April	745.2	147.9	92.7	489.98	41.7	11.75

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
719	180	34	146	April	539	39	47	140	43	180	90
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
747	185	36	149	April	562	41	49	150	43	187	91

Cincinnati PMSA

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	745.2	735.1	717.9	10.0	27.3
Goods-Producing Industries[e]	183.1	181.2	178.3	1.9	4.9
Construction	34.8	32.5	33.0	2.3	1.8
Manufacturing	147.9	148.3	144.8	-.4	3.1
Durable Goods[f]	80.2	80.1	78.7	.0	1.5
Fabricated Metal Products	12.3	12.1	12.3	.2	.0
Fabricated Structural Metal Products	4.6	4.5	4.3	.2	.3
Industrial Machinery and Equipment	19.4	19.4	19.4	.0	.0
Electronic and Other Electric Equipment	7.8	7.9	7.8	-.1	.0
Transportation Equipment	24.7	24.7	23.6	-.1	1.1
Motor Vehicles and Equipment	4.8	4.9	4.9	-.1	-.1
Instruments and Related Products	3.6	3.6	3.4	.1	.2
Nondurable Goods[g]	67.7	68.2	66.1	-.4	1.6
Food and Kindred Products	12.6	12.5	11.8	.1	.8
Beverages	2.8	2.8	2.8	.0	-.1
Apparel and Other Textile Products	3.3	3.5	3.6	-.2	-.3
Paper and Allied Products	5.6	6.0	5.8	-.4	-.2
Printing and Publishing	14.6	14.7	13.9	-.1	.6
Commercial Printing	6.4	6.5	6.1	-.1	.3
Chemicals and Allied Products	22.1	22.2	22.1	-.1	.1
Rubber and Miscellaneous Plastics Products	6.8	6.5	6.4	.2	.4
Service-Producing Industries	562.0	553.9	539.6	8.1	22.4
Transportation and Public Utilities	40.6	40.3	38.7	.3	1.9
Transportation	24.2	24.0	22.9	.2	1.3
Trucking and Warehousing	11.0	10.8	10.4	.2	.7
Transportation by Air	6.4	6.4	6.0	.1	.5
Communications, Electric, Gas Services	16.3	16.3	15.8	.0	.5
Communications	9.7	9.7	9.8	.0	-.1
Wholesale Trade	49.2	48.7	47.1	.6	2.2
Wholesale Trade-Durable Goods	29.1	28.8	28.1	.3	1.0
Retail Trade	148.4	145.2	138.5	3.2	9.9
General Merchandise Stores	22.3	22.1	20.4	.2	1.9
Finance, Insurance, and Real Estate	42.7	42.4	42.5	.3	.3
Finance	17.3	17.3	17.2	.1	.2
Depository Institutions	13.7	13.6	13.4	.0	.3
Commercial Banks	9.5	9.5	9.3	.0	.1
Insurance	17.0	17.0	17.2	.0	-.1
Insurance Carriers	14.3	14.2	14.5	.0	-.2
Life Insurance	6.7	6.7	7.0	.0	-.3
Fire, Marine, and Casualty Insurance	5.2	5.1	5.0	.0	.2
Services	187.3	183.9	180.9	3.4	6.4
Hotels and Other Lodging Places	7.5	7.3	7.3	.2	.2
Personal Services	9.0	9.0	8.7	.0	.3
Business Services	37.0	36.9	35.4	.1	1.6
Services to Buildings	6.2	6.1	5.7	.0	.4
Computer and Data Processing Services	4.7	4.7	4.3	.0	.5
Amusements, Including Motion Pictures	11.3	9.3	11.5	2.0	-.2
Health Services	57.2	57.1	55.1	.1	2.1
Nursing and Personal Care Facilities	11.0	11.1	10.6	-.1	.4
Hospitals	27.3	27.3	26.5	.0	.8
Legal Services	4.5	4.4	4.1	.0	.3
Educational Services	7.1	7.3	7.2	-.2	-.1
Social Services	12.3	12.2	11.7	.0	.6
Residential Care	4.9	4.7	4.6	.1	.3
Engineering and Management Services	16.7	16.4	16.0	.3	.7
Engineering and Architectural Services	5.7	5.7	5.4	.1	.3
Government	93.8	93.4	92.0	.4	1.7
Federal Government	17.5	17.2	17.0	.3	.5
State Government	21.4	21.4	20.9	-.1	.5
State Government Education[h]	13.2	13.3	13.0	-.1	.2
Local Government	54.9	54.8	54.2	.1	.7
Local Government Education	31.2	31.5	30.9	-.4	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

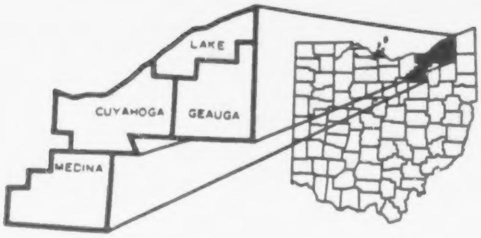
Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$489.98	$515.70	$494.04	41.7	43.3	42.7	$11.75	$11.91	$11.57
Durable Goods[f]	481.95	512.02	501.99	41.8	43.8	43.5	11.53	11.69	11.54
Fabricated Metal Products	414.54	428.79	417.63	42.3	43.4	42.1	9.80	9.88	9.92
Fabricated Structural Metal Products	456.12	479.88	459.88	43.9	45.4	42.7	10.39	10.57	10.77
Industrial Machinery and Equipment	444.03	467.14	458.80	41.0	42.7	42.6	10.83	10.94	10.77
Electronic and Other Electric Equipment	372.78	401.62	352.40	40.3	43.0	40.0	9.25	9.34	8.81
Transportation Equipment	728.30	790.60	811.15	43.9	47.2	49.4	16.59	16.75	16.42
Motor Vehicles and Equipment	828.31	901.20	898.14	46.3	49.3	50.8	17.89	18.28	17.68
Instruments and Related Products	371.78	372.37	337.45	42.2	43.4	42.5	8.81	8.58	7.94
Nondurable Goods[g]	496.34	519.16	487.62	41.5	42.8	42.0	11.96	12.13	11.61
Food and Kindred Products	487.10	504.58	501.19	42.1	43.2	42.8	11.57	11.68	11.71
Beverages	586.72	581.65	512.21	43.3	43.1	40.3	13.55	13.50	12.71
Apparel and Other Textile Products	271.26	251.66	242.06	39.2	37.9	38.3	6.92	6.64	6.32
Paper and Allied Products	428.39	446.04	461.17	40.3	41.3	43.1	10.63	10.80	10.70
Printing and Publishing	491.18	510.20	455.00	41.0	42.2	39.6	11.98	12.09	11.49
Commercial Printing	510.51	546.43	472.99	42.9	44.9	41.6	11.90	12.17	11.37
Chemicals and Allied Products	618.62	655.04	592.70	42.9	44.5	43.2	14.42	14.72	13.72
Rubber and Miscellaneous Plastics Products	391.53	416.56	374.75	40.7	42.9	41.5	9.62	9.71	9.03
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	588.92	569.72	588.34	39.9	39.4	41.2	14.76	14.46	14.28
Communications	588.12	576.63	574.46	39.0	38.7	40.2	15.08	14.90	14.29
Wholesale Trade	441.22	439.96	419.25	39.5	39.6	39.0	11.17	11.11	10.75
Retail Trade[i]	174.56	173.38	169.33	28.2	28.1	28.7	6.19	6.17	5.90
General Merchandise Stores	217.92	215.58	199.20	30.1	29.9	30.0	7.24	7.21	6.64
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	299.56	299.26	278.79	....	....	....	.....	.....	.....
Commercial Banks	272.83	271.23	259.96	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	414.75	410.40	397.30	....	....	....	.....	.....	.....
Life Insurance	423.37	419.57	412.02	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	427.27	421.28	393.58	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	431.64	429.68	378.74	33.0	32.8	31.8	13.08	13.10	11.91
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	658.94	662.69	590.89	41.6	41.6	41.7	15.84	15.93	14.17

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

CLEVELAND

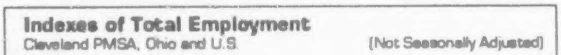
PRIMARY METROPOLITAN STATISTICAL AREA

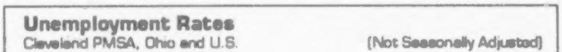


Nonagricultural payroll employment in the Cleveland metropolitan area rose 11,400 above the March level to 947,500 in April 1990. More business in services and retail trade helped raise employment in service-producing industries 8,300. The number of workers in goods-producing industries increased 3,100 over the month to 239,400 primarily due to seasonal gains in construction, especially special trade contractors. Manufacturing production workers averaged $12.08 per hour, down 8 cents from March. Their average workweek was 1.1 hours shorter at 41.9 hours.

Nonfarm wage and salary employment advanced 25,500 between April 1989 and April 1990. Service-producing industries contributed 93.7 percent of the improvement. Primary growth areas were services (+7,900) and retail trade (+5,800). A labor-management dispute lowered employment in local government in April 1989. Modest expansion in construction and manufacturing, especially printing and publishing, increased employment in goods-producing industries 1,500 above the year-ago level.

Seasonally adjusted employment in the Cleveland area totaled 954,000 in April 1990, up 2,000 from March due to scattered gains in service-producing industries. Since April 1989, expansion in services and retail trade and the settlement of a labor-management dispute in local government increased total payroll employment 26,000.





Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
933.2	892.6	40.6	4.4	April	922.0	206.0	133.3	517.53	43.6	11.87
942.6	900.7	41.9	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
937.2	890.6	46.6	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
INA	INA	INA	INA	April	947.5	206.5	132.0	506.15	41.9	12.08

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
928	241	33	207	April	688	42	66	158	57	250	116
932	241	33	207	May	691	42	66	158	57	250	118
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	207	April	712	43	68	164	58	258	121

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	947.5	936.0	922.0	11.4	25.5
Goods-Producing Industries[e]	239.4	236.3	237.8	3.1	1.5
Construction	32.0	29.3	31.0	2.6	.9
Special Trade Contractors	21.7	20.3	20.7	1.4	1.0
Manufacturing	206.5	206.1	206.0	.5	.5
Durable Goods[f]	141.5	141.0	141.8	.4	-.3
Stone, Clay, and Glass Products	3.8	3.6	3.6	.2	.2
Primary Metal Industries	20.9	20.8	21.2	.1	-.3
Iron and Steel Foundries	4.5	4.5	4.6	-.1	-.2
Fabricated Metal Products	34.3	34.2	34.2	.0	.0
Screw Machine Products, Bolts, etc	4.9	4.9	5.2	.0	-.3
Metal Forgings and Stampings	11.0	11.1	11.1	-.1	-.1
Industrial Machinery and Equipment	33.3	33.1	33.6	.2	-.3
Metalworking Machinery	13.0	12.8	13.0	.2	.0
Electronic and Other Electric Equipment	15.2	15.3	15.3	-.1	-.1
Electrical Industrial Apparatus	4.2	4.3	4.4	-.1	-.1
Electric Lighting and Wiring Equipment	5.3	5.3	5.2	.0	.1
Transportation Equipment	19.5	19.5	19.5	.0	.0
Motor Vehicles and Equipment	12.4	12.3	12.2	.0	.2
Instruments and Related Products	7.0	7.0	7.1	.0	-.1
Measuring and Controlling Devices	4.9	4.9	4.8	.0	.1
Nondurable Goods[g]	65.1	65.1	64.2	.0	.9
Food and Kindred Products	6.6	6.5	6.6	.1	.1
Apparel and Other Textile Products	3.2	3.2	3.4	.0	-.2
Paper and Allied Products	5.8	5.9	5.9	-.1	-.1
Printing and Publishing	17.0	17.0	16.4	.0	.6
Chemicals and Allied Products	14.7	14.7	14.5	.0	.2
Rubber and Miscellaneous Plastics Products	11.9	11.9	11.9	.1	.0
Miscellaneous Plastics Products	7.6	7.5	7.2	.1	.4
Service-Producing Industries	708.1	699.7	684.2	8.3	23.9
Transportation and Public Utilities	42.6	42.0	41.3	.6	1.3
Transportation	25.3	24.7	23.8	.6	1.5
Trucking and Warehousing	11.3	11.4	10.9	.0	.4
Transportation by Air	5.3	5.4	4.8	-.1	.5
Communications, Electric, Gas Services	17.3	17.3	17.4	.0	-.2
Communications	10.1	10.1	10.3	.0	-.2
Electric, Gas, and Sanitary Services	7.1	7.1	7.1	.0	.0
Wholesale Trade	68.0	67.2	65.6	.8	2.5
Wholesale Trade-Durable Goods	46.3	45.8	44.7	.6	1.6
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	.0	-.1
Professional and Commercial Equipment	9.2	9.1	9.0	.1	.2
Retail Trade	161.0	158.3	155.2	2.7	5.8
General Merchandise Stores	20.7	20.6	20.3	.1	.4
Finance, Insurance, and Real Estate	57.4	57.3	56.2	.1	1.2
Finance	27.9	28.0	27.4	-.1	.5
Depository Institutions	20.6	20.6	20.2	.0	.3
Commercial Banks	13.0	13.0	12.7	.0	.3
Insurance	18.6	18.6	18.4	.1	.3
Insurance Carriers	14.1	14.0	13.9	.1	.2
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.1	.1
Services	257.7	253.6	249.8	4.1	7.9
Business Services	53.7	52.8	50.5	.9	3.2
Personnel Supply Services	20.4	20.3	18.8	.1	1.5
Computer and Data Processing Services	6.8	6.7	6.3	.1	.5
Amusements, Including Motion Pictures	11.0	9.3	11.2	1.6	-.3
Health Services	79.2	78.9	77.8	.3	1.4
Nursing and Personal Care Facilities	13.5	13.5	13.1	.0	.4
Hospitals	43.7	43.6	43.5	.1	.2
Legal Services	9.6	9.6	9.2	.0	.4
Educational Services	18.7	19.5	19.1	-.8	-.4
Social Services	13.9	13.8	13.1	.0	.7
Residential Care	3.7	3.7	3.5	.1	.2
Engineering and Management Services	21.7	21.5	20.9	.2	.8
Engineering and Architectural Services	8.0	7.9	7.5	.1	.5
Accounting, Auditing, and Bookkeeping	6.5	6.5	6.6	.1	.0
Management and Public Relations	4.6	4.5	4.2	.1	.4
Government	121.3	121.3	116.0	.0	5.2
Federal Government	20.6	20.2	20.5	.4	.1
State Government	8.3	8.2	8.5	.1	-.2
State Government Education[h]	3.2	3.2	3.3	-.1	-.1
Local Government	92.4	92.9	87.0[i]	-.5	5.4
Local Government Education	48.1	48.8	46.3	-.7	1.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

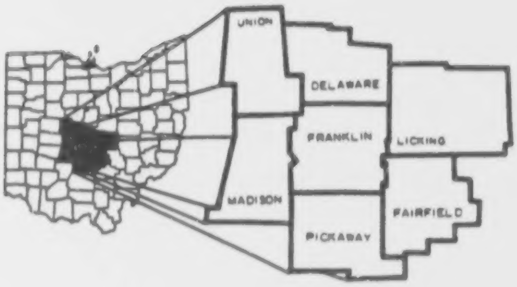
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$506.15	$522.88	$517.53	41.9	43.0	43.6	$12.08	$12.16	$11.87
Durable Goods[f]	540.16	558.41	550.02	42.7	43.9	44.5	12.65	12.72	12.36
Stone, Clay, and Glass Products	502.15	496.58	496.80	41.5	41.8	43.2	12.10	11.88	11.50
Primary Metal Industries	532.39	542.33	563.50	42.9	44.2	46.0	12.41	12.27	12.25
Iron and Steel Foundries	904.80	855.50	919.04	48.0	46.8	51.2	18.85	18.28	17.95
Fabricated Metal Products	525.43	553.40	557.22	41.8	43.1	44.4	12.57	12.84	12.55
Screw Machine Products, Bolts, etc.	494.98	538.90	558.03	41.7	44.1	44.5	11.87	12.22	12.54
Metal Forgings and Stampings	673.18	715.50	692.17	43.6	45.4	45.9	15.44	15.76	15.08
Industrial Machinery and Equipment	535.92	565.34	530.44	44.0	46.0	44.5	12.18	12.29	11.92
Metalworking Machinery	558.56	587.52	532.49	46.2	48.0	44.3	12.09	12.24	12.02
Electronic and Other Electric Equipment	415.84	414.86	428.03	40.1	40.2	41.8	10.37	10.32	10.24
Electrical Industrial Apparatus	412.23	439.74	443.23	40.1	42.0	43.2	10.28	10.47	10.26
Electric Lighting and Wiring Equipment	368.25	368.15	385.09	37.5	37.3	39.7	9.82	9.87	9.70
Transportation Equipment	737.44	753.09	733.25	44.0	44.8	45.6	16.76	16.81	16.08
Motor Vehicles and Equipment	813.91	827.59	819.47	44.5	45.1	46.8	18.29	18.35	17.51
Instruments and Related Products	434.16	450.69	391.48	40.5	41.5	40.4	10.72	10.86	9.69
Measuring and Controlling Devices	453.74	455.10	450.50	41.4	41.6	42.3	10.96	10.94	10.65
Nondurable Goods[g]	422.80	435.34	435.94	40.0	40.8	41.4	10.57	10.67	10.53
Food and Kindred Products	429.46	432.92	471.08	39.4	39.5	43.1	10.90	10.96	10.93
Apparel and Other Textile Products	371.71	372.30	351.91	38.4	38.5	37.2	9.68	9.67	9.46
Paper and Allied Products	470.91	514.42	473.63	41.6	44.5	42.1	11.32	11.56	11.25
Printing and Publishing	381.75	387.66	378.79	37.5	37.6	38.3	10.18	10.31	9.89
Chemicals and Allied Products	538.47	543.15	555.52	42.2	42.6	44.3	12.76	12.75	12.54
Rubber and Miscellaneous Plastics Products	358.90	377.94	379.43	40.6	41.9	42.3	8.84	9.02	8.97
Miscellaneous Plastics Products	365.65	386.26	378.00	40.9	42.4	42.0	8.94	9.11	9.00
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	489.58	470.25	454.61	35.4	34.3	33.6	13.83	13.71	13.53
Communications, Electric, Gas Services	626.13	611.75	604.34	40.5	40.3	41.0	15.46	15.18	14.74
Wholesale Trade	454.72	457.06	444.00	39.2	39.3	40.0	11.60	11.63	11.10
Retail Trade[i]	189.88	187.95	182.25	27.4	27.2	27.0	6.93	6.91	6.75
General Merchandise Stores	186.87	189.20	165.50	27.4	27.5	27.4	6.82	6.88	6.77
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	323.52	325.25	324.97	....	....	....	.....	.....	.....
Depository Institutions	298.64	298.85	297.51	....	....	....	.....	.....	.....
Commercial Banks	291.35	293.32	302.98	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	331.47	329.16	314.96	31.3	31.2	31.0	10.59	10.55	10.16
Nursing and Personal Care Facilities	248.15	238.04	209.26	33.9	33.2	31.9	7.32	7.17	6.56
Hospitals	360.27	360.27	346.60	30.3	30.3	30.7	11.89	11.89	11.29

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

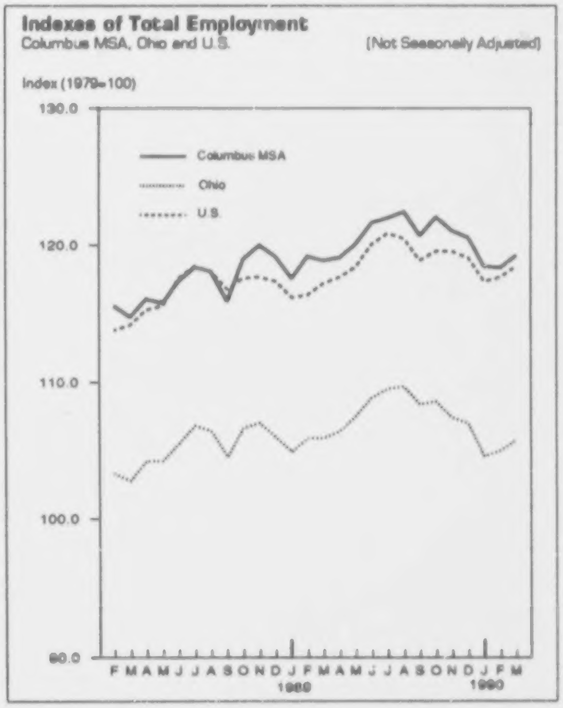
COLUMBUS
METROPOLITAN STATISTICAL AREA

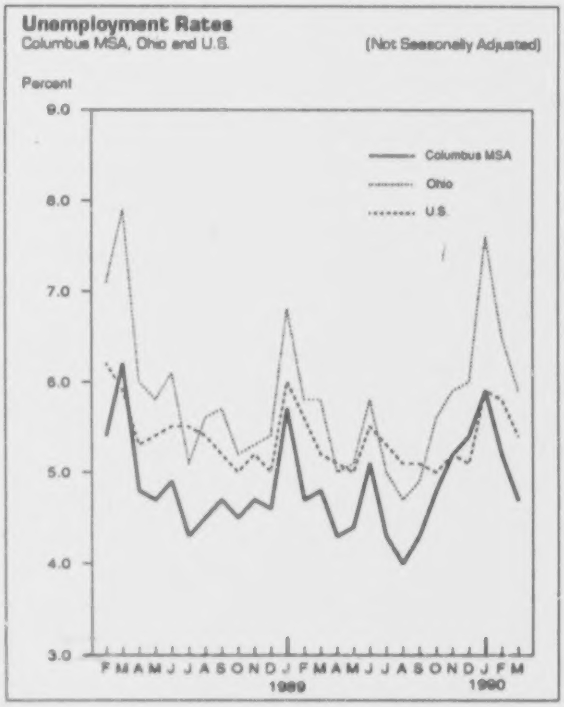


Nonagricultural payroll employment in the Columbus metropolitan area rose 10,000 above the March level to 719,000 in April 1990. Seasonal trends in services and retail trade raised employment in service-producing industries 7,500. The number of workers in goods-producing industries increased 2,500 over the month to 134,500 primarily due to more business in construction. Manufacturing production workers averaged $12.24 per hour, down 7 cents from March. Their average workweek of 40.9 hours was 0.7 hours shorter.

Total nonfarm wage and salary employment advanced 23,400 between April 1989 and April 1990. Employment in service-producing industries increased 21,800. Leading growth sectors were services, especially business and health services, and retail trade. Noteworthy gains were also posted in state and local government, finance, insurance, and real estate, and wholesale trade. Improvements in manufacturing and construction increased employment in goods-producing industries 1,600 over the year.

Seasonally adjusted employment in the Columbus area totaled 721,000 in April 1990, up 4,000 from March. Slight increases were recorded in transportation and public utilities, retail trade, and services. Since April 1989, total payroll employment rose 24,000. Leading growth areas were services (+8,000) and retail trade (+7,000).


Indexes of Total Employment
Columbus MSA, Ohio and U.S.
[Not Seasonally Adjusted]


Unemployment Rates
Columbus MSA, Ohio and U.S.
[Not Seasonally Adjusted]

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
718.8	687.8	30.9	4.3	April	695.7	103.7	68.3	492.25	41.4	11.89
725.7	693.6	32.1	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.54	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.6	688.8	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
INA	INA	INA	INA	April	719.0	104.6	70.0	500.62	40.9	12.24

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
697	135	29	104	April	563	31	37	142	59	169	124
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	149	61	177	127

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	719.0	709.1	695.7	10.0	23.4
Goods-Producing Industries[e]	134.5	132.0	132.9	2.5	1.6
Construction	29.0	27.0	28.3	2.1	.7
Manufacturing	104.6	104.2	103.7	.4	.8
Durable Goods[f]	65.9	65.7	65.3	.2	.6
Stone, Clay, and Glass Products	10.0	9.9	9.7	.0	.2
Glass and Glassware, Pressed or Blown	3.6	3.6	3.5	.0	.1
Fabricated Metal Products	9.9	9.9	9.8	.0	.1
Industrial Machinery and Equipment	9.6	9.6	9.8	.0	-.2
Electronic and Other Electric Equipment	9.1	9.0	9.2	.1	-.1
Transportation Equipment	14.1	14.1	13.7	.0	.4
Motor Vehicles and Equipment	13.3	13.2	12.9	.0	.4
Instruments and Related Products	4.8	4.8	4.7	.0	.2
Nondurable Goods[g]	38.7	38.5	38.4	.2	.3
Food and Kindred Products	10.7	10.7	10.5	.0	.2
Dairy Products	4.1	4.1	3.9	.1	.2
Printing and Publishing	10.8	10.7	10.6	.0	.1
Chemicals and Allied Products	6.8	6.9	6.8	-.1	.0
Rubber and Miscellaneous Plastics Products	6.2	6.1	6.0	.1	.2
Service-Producing Industries	584.6	577.1	562.8	7.5	21.8
Transportation and Public Utilities	31.2	30.8	30.4	.4	.8
Transportation	19.0	18.6	18.0	.4	.9
Trucking and Warehousing	13.5	13.1	12.5	.4	1.0
Communications, Electric, Gas Services	12.3	12.2	12.4	.0	-.1
Communications	7.7	7.7	7.8	.0	-.1
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	37.8	37.4	36.6	.4	1.2
Wholesale Trade-Durable Goods	24.5	24.3	23.8	.2	.8
Motor Vehicles, Parts, and Supplies	3.1	3.1	3.2	.0	-.1
Machinery, Equipment, and Supplies	5.6	5.6	5.3	.0	.3
Wholesale Trade-Nondurable Goods	13.3	13.1	12.8	.2	.4
Retail Trade	147.7	144.7	140.2	2.9	7.5
General Merchandise Stores	21.0	20.8	20.4	.2	.6
Food Stores	17.1	17.0	16.2	.0	.9
Automotive Dealers and Service Stations	14.6	14.4	13.9	.1	.6
Finance, Insurance, and Real Estate	60.4	60.3	59.0	.0	1.3
Finance	23.7	23.8	23.2	-.1	.5
Depository Institutions	14.3	14.3	14.1	-.1	.2
Commercial Banks	12.1	12.1	11.6	.0	.5
Insurance	27.9	27.9	27.4	.1	.5
Insurance Carriers	24.0	23.9	23.4	.2	.6
Services	177.6	174.4	169.6	3.2	8.1
Business Services	37.6	36.7	35.1	.9	2.5
Personnel Supply Services	13.7	13.1	12.3	.7	1.4
Health Services	45.9	45.8	43.7	.1	2.2
Nursing and Personal Care Facilities	8.1	8.1	7.9	.0	.2
Hospitals	21.3	21.3	20.3	.0	1.1
Legal Services	4.5	4.5	4.3	.0	.2
Educational Services	8.3	8.3	7.9	-.1	.3
Social Services	12.7	12.7	12.1	-.1	.5
Engineering and Management Services	18.1	17.9	17.6	.1	.5
Engineering and Architectural Services	4.6	4.5	4.4	.1	.2
Accounting, Auditing, and Bookkeeping	4.1	4.2	4.1	.0	.0
Research and Testing Services	6.2	6.2	6.1	.0	.1
Government	129.9	129.4	127.0	.5	2.9
Federal Government	16.3	16.1	16.0	.2	.3
State Government	57.1	57.0	55.6	.1	1.5
State Government Education[h]	24.0	24.0	23.7	-.1	.3
Local Government	56.5	56.3	55.4	.2	1.1
Local Government Education	34.4	34.5	33.7	-.2	.6

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

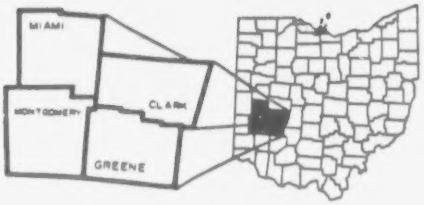
Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$500.62	$512.10	$492.25	40.9	41.6	41.4	$12.24	$12.31	$11.89
Durable Goods[f]	519.55	529.62	505.82	41.3	42.0	41.7	12.58	12.61	12.13
Stone, Clay, and Glass Products	513.40	508.22	517.65	42.5	42.6	43.5	12.08	11.93	11.90
Glass and Glassware, Pressed or Blown	473.71	456.29	448.86	42.6	41.9	41.6	11.12	10.89	10.79
Fabricated Metal Products	529.92	522.91	505.49	41.4	41.6	40.7	12.80	12.57	12.42
Industrial Machinery and Equipment	473.80	496.34	460.69	40.6	41.5	40.2	11.67	11.96	11.46
Electronic and Other Electric Equipment	483.98	495.97	458.00	40.5	41.4	40.0	11.95	11.98	11.45
Transportation Equipment	624.09	660.22	610.30	42.6	44.7	43.1	14.65	14.77	14.16
Motor Vehicles and Equipment	626.22	662.90	617.19	42.6	44.7	43.1	14.70	14.83	14.32
Instruments and Related Products	394.75	407.51	419.35	38.4	38.7	39.9	10.28	10.53	10.51
Nondurable Goods[g]	462.75	475.38	466.99	40.1	40.7	41.0	11.54	11.68	11.39
Food and Kindred Products	401.09	420.62	427.56	39.4	40.6	42.0	10.18	10.36	10.18
Dairy Products	579.87	617.34	573.26	42.7	44.8	43.2	13.58	13.78	13.27
Printing and Publishing	539.97	541.41	531.76	39.1	38.7	39.1	13.81	13.99	13.60
Chemicals and Allied Products	616.35	633.67	599.96	41.9	42.7	42.4	14.71	14.84	14.15
Rubber and Miscellaneous Plastics Products	373.10	400.10	369.41	41.0	42.7	41.6	9.10	9.37	8.88
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	459.43	453.18	378.76	34.7	34.7	29.8	13.24	13.06	12.71
Communications, Electric, Gas Services	665.09	655.78	569.04	43.3	43.2	40.3	15.36	15.18	14.12
Communications	590.13	575.63	556.61	39.5	39.4	39.9	14.94	14.61	13.95
Electric, Gas, and Sanitary Services	793.31	793.81	589.99	49.8	49.8	41.0	15.93	15.94	14.39
Wholesale Trade	401.32	398.74	390.78	38.7	38.6	38.5	10.37	10.33	10.15
Retail Trade[i]	183.93	182.09	181.48	27.7	27.3	28.4	6.64	6.67	6.39
General Merchandise Stores	206.07	209.09	193.01	28.7	28.8	28.3	7.18	7.26	6.82
Food Stores	199.52	186.03	182.42	28.3	26.5	26.4	7.05	7.02	6.91
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	452.42	450.00	413.79	....	....	....	.....	.....	.....
Depository Institutions	293.97	293.27	275.17	....	....	....	.....	.....	.....
Commercial Banks	290.78	291.13	274.79	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	230.72	232.70	207.59	32.0	32.5	31.5	7.21	7.16	6.59
Hospitals	404.24	404.40	362.88	34.2	34.3	33.6	11.82	11.79	10.80
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	486.46	489.27	458.40	38.7	38.8	38.2	12.57	12.61	12.00

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

DAYTON - SPRINGFIELD

METROPOLITAN STATISTICAL AREA

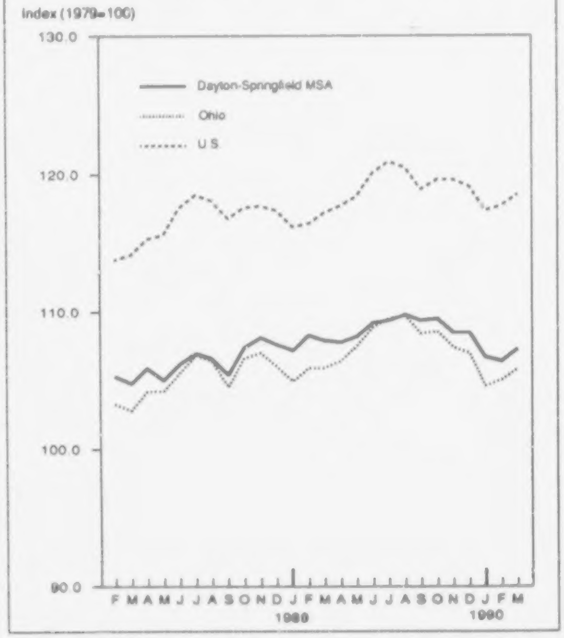


Nonfarm payroll employment in the Dayton-Springfield metropolitan area totaled 456,000 in April 1990, up 3,900 from the March level. More business in retail trade and services raised employment in service-producing industries 2,900. Seasonal growth in construction increased goods-producing industries 1,100 over the month to 121,800. Manufacturing production workers averaged $13.10 per hour, down 12 cents from March. Their average workweek was 0.9 hours shorter at 41.0 hours.

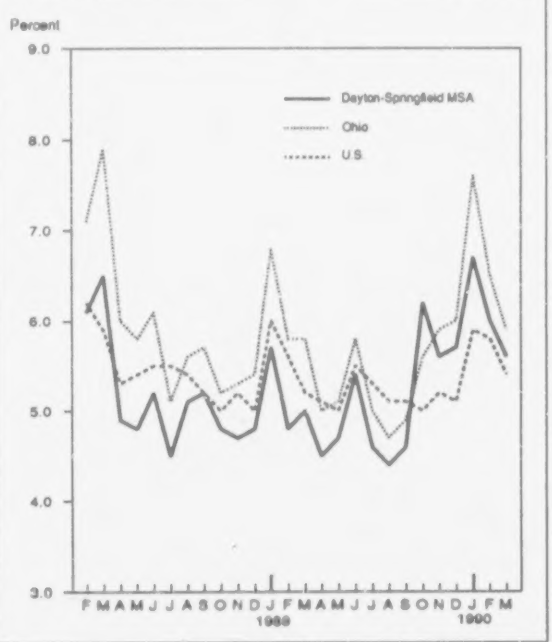
Nonagricultural wage and salary employment advanced 9,200 between April 1989 and April 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services, especially business and health services, and retail trade. Moderate gains were also posted in local government and wholesale trade. Over-the-year reductions in manufacturing lowered employment in goods-producing industries 400. Decreased production in industrial machinery and equipment and in rubber and miscellaneous plastics products outweighed expansion in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area decreased 1,000 from March to 456,000 in April 1990. Declines in goods-producing industries and in government outweighed an increase in wholesale trade. Since April 1989, total payroll employment advanced 9,000. Primary growth sectors were services (+4,000) and retail trade (+3,000).

Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)



Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
471.9	450.8	21.1	4.5	April	446.8	104.7	67.5	556.85	43.1	12.92
474.3	452.1	22.1	4.7	May	448.3	104.8	67.4	555.56	43.0	12.92
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.0	448.5	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
INA	INA	INA	INA	April	456.0	104.0	67.4	537.10	41.0	13.10

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
447	123	18	105	April	324	17	21	79	18	113	76
447	123	18	105	May	324	17	21	79	18	114	76
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	456.0	452.1	446.8	3.9	9.2
Goods-Producing Industries[e]	121.8	120.7	122.1	1.1	-.4
Construction	17.3	16.2	17.0	1.1	.3
Manufacturing	104.0	104.1	104.7	-.1	-.6
Durable Goods[f]	74.5	74.4	75.2	.2	-.7
Fabricated Metal Products	8.6	8.5	8.6	.1	.0
Industrial Machinery and Equipment	30.7	31.0	31.9	-.3	-1.2
Metalworking Machinery	8.3	8.3	8.5	0	-.2
General Industrial Machinery	2.9	2.9	3.0	.1	.0
Electronic and Other Electric Equipment	3.9	3.8	4.1	.0	-.2
Transportation Equipment	22.5	22.2	21.5	.3	1.0
Motor Vehicles and Equipment	19.3	19.0	18.4	.3	.9
Nondurable Goods[g]	29.5	29.8	29.5	-.3	.0
Food and Kindred Products	2.5	2.6	2.7	.0	-.2
Paper and Allied Products	6.1	6.1	6.0	0	.1
Printing and Publishing	9.2	9.2	8.8	.0	.4
Rubber and Miscellaneous Plastics Products	7.5	7.7	8.2	-.2	-.7
Service-Producing Industries	334.3	331.4	324.7	2.9	9.5
Transportation and Public Utilities	18.1	18.0	17.3	.2	.9
Transportation	11.8	11.7	11.1	.1	.8
Trucking and Warehousing	6.7	6.5	6.0	.2	.7
Communications, Electric, Gas Services	6.3	6.3	6.2	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.6	21.3	20.6	.4	1.0
Wholesale Trade-Durable Goods	15.1	14.9	14.5	.2	.7
Wholesale Trade-Nondurable Goods	6.5	6.3	6.2	.1	.3
Retail Trade	81.0	79.4	78.9	1.6	2.1
General Merchandise Stores	11.3	11.2	11.2	.1	.2
Finance, Insurance, and Real Estate	17.6	17.7	17.5	-.1	.1
Finance	9.5	9.6	9.7	-.1	-.2
Depository Institutions	7.2	7.3	7.4	-.1	-.2
Insurance	4.4	4.5	4.3	.0	.2
Services	117.2	115.9	113.4	1.3	3.8
Business Services	22.7	22.0	21.6	.7	1.1
Personnel Supply Services	6.0	5.7	6.0	.3	.0
Computer and Data Processing Services	5.5	5.3	4.8	.2	.7
Health Services	38.9	39.0	37.9	.0	1.1
Nursing and Personal Care Facilities	7.1	7.0	6.9	.0	.1
Hospitals	19.9	20.0	19.5	-.1	.4
Educational Services	8.8	9.1	8.9	-.3	.0
Social Services	5.9	5.9	5.7	.0	.2
Engineering and Management Services	10.0	9.9	9.9	.1	.1
Research and Testing Services	3.4	3.3	3.2	.0	.1
Government	78.7	79.1	77.1	-.4	1.6
Federal Government	29.1	28.9	28.9	.2	.2
State Government	7.5	7.5	7.4	.0	.1
State Government Education[h]	4.6	4.6	4.5	.0	.1
Local Government	42.1	42.8	40.8	-.7	1.3
Local Government Education	26.7	27.5	26.0	-.8	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

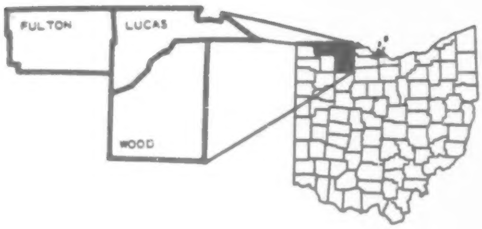
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$537.10	$553.92	$556.85	41.0	41.9	43.1	$13.10	$13.22	$12.92
Durable Goods[f]	553.32	575.70	567.66	41.2	42.3	43.3	13.43	13.61	13.11
Fabricated Metal Products	392.98	400.49	394.96	40.1	40.7	41.4	9.80	9.84	9.54
Industrial Machinery and Equipment	573.12	588.09	613.76	41.5	42.4	44.8	13.81	13.87	13.70
Metalworking Machinery	558.14	568.09	619.69	43.3	43.8	48.3	12.89	12.97	12.83
General Industrial Machinery	465.68	535.81	480.68	40.6	44.8	42.5	11.47	11.96	11.31
Electronic and Other Electric Equipment	361.88	372.44	361.92	41.5	41.8	41.6	8.72	8.91	8.70
Transportation Equipment	683.49	722.74	691.74	41.6	43.2	42.7	16.43	16.73	16.20
Motor Vehicles and Equipment	693.89	734.40	697.43	41.6	43.2	42.5	16.68	17.00	16.41
Nondurable Goods[g]	492.88	488.82	524.91	40.7	40.6	42.4	12.11	12.04	12.38
Food and Kindred Products	356.47	346.92	346.88	40.6	39.2	41.1	8.78	8.85	8.44
Paper and Allied Products	477.70	487.13	510.75	42.5	43.3	45.0	11.24	11.25	11.35
Printing and Publishing	470.00	467.60	479.83	40.0	40.0	41.4	11.75	11.69	11.59
Rubber and Miscellaneous Plastics Products	623.31	602.14	702.47	39.4	38.5	42.6	15.82	15.64	16.49
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	573.68	560.12	557.35	40.6	40.5	40.3	14.13	13.83	13.83
Communications	578.93	562.99	550.04	40.4	40.3	39.8	14.33	13.97	13.82
Wholesale Trade	394.21	395.58	396.76	39.5	39.4	39.4	9.98	10.04	10.07
Retail Trade[i]	173.66	173.04	165.25	28.1	28.0	28.2	6.18	6.18	5.86
General Merchandise Stores	180.05	182.09	173.54	27.7	27.8	27.9	6.50	6.55	6.22
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	.....	......	......	....	....	....	.....	.....	.....
Depository Institutions	272.92[j]	277.26	262.03	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	412.11	402.34	372.16	34.4	34.3	34.3	11.98	11.73	10.85

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

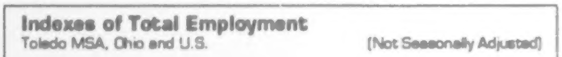
TOLEDO
METROPOLITAN STATISTICAL AREA

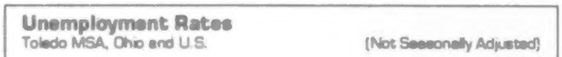


In the Toledo metropolitan area, total nonfarm payroll employment rose 4,000 above the March level to 296,600 in April 1990. Seasonal trends in services and retail trade created 2,400 additional jobs in service-producing industries. More business in construction increased employment in goods-producing industries 1,600 over the month to 71,600. Manufacturing production workers averaged $13.75 per hour, up 25 cents from March. Their average workweek of 43.9 hours was 0.3 hours longer.

Nonagricultural wage and salary employment advanced 3,600 between April 1989 and April 1990. The workforce in service-producing industries increased 6,200. Leading areas of expansion were services (+2,600) and retail trade (+2,100). Over-the-year reductions in manufacturing, especially transportation equipment (-2,000), lowered employment in goods-producing industries 2,600.

Seasonally adjusted employment in the Toledo area increased 1,000 from March to 297,000 in April 1990 due to modest growth in construction and manufacturing. Since April 1989, total payroll employment advanced 4,000. Gains in retail trade and services more than offset a decline in manufacturing.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
314.1	297.5	16.6	5.3	April	293.0	62.6	44.7	563.73	43.0	13.11
317.4	300.3	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.0	292.0	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
INA	INA	INA	INA	April	296.6	59.4	42.8	603.63	43.9	13.75

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	75	12	63	April	218	14	16	58	12	75	43
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	77	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	296.6	292.7	293.0	4.0	3.6
Goods-Producing Industries[e]	71.6	70.0	74.2	1.6	-2.6
Construction	11.9	10.8	11.4	1.1	.5
Manufacturing	59.4	59.0	62.6	.4	-3.1
Durable Goods[f]	44.2	43.9	46.9	.3	-2.7
Stone, Clay, and Glass Products	7.7	7.7	7.9	.0	-.2
Primary Metal Industries	3.6	3.5	3.5	.1	.1
Fabricated Metal Products	7.0	6.9	7.2	.1	-.2
Metal Forgings and Stampings	2.6	2.6	2.9	.0	-.4
Industrial Machinery and Equipment	5.6	5.7	6.2	-.1	-.5
Transportation Equipment	13.7	13.6	15.7	.1	-2.0
Nondurable Goods[g]	15.2	15.1	15.6	.1	-.4
Food and Kindred Products	3.8	3.8	3.9	.1	-.1
Rubber and Miscellaneous Plastics Products	4.0	4.0	4.3	.1	-.3
Service-Producing Industries	225.0	222.6	218.8	2.4	6.2
Transportation and Public Utilities	14.4	14.3	13.8	.2	.6
Transportation	9.5	9.4	9.0	.2	.5
Communications, Electric, Gas Services	4.9	4.9	4.8	.0	.1
Wholesale Trade	16.1	15.9	15.7	.2	.4
Wholesale Trade-Durable Goods	10.6	10.6	10.4	.0	.2
Wholesale Trade-Nondurable Goods	5.5	5.4	5.3	.1	.2
Retail Trade	59.4	58.4	57.3	1.0	2.1
General Merchandise Stores	8.0	7.9	8.1	.0	-.1
Finance, Insurance, and Real Estate	12.0	11.9	12.0	.1	.0
Finance	6.3	6.3	6.4	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	77.5	76.3	74.9	1.2	2.6
Business Services	13.3	13.2	12.7	.1	.6
Personnel Supply Services	4.9	4.9	4.6	.0	.3
Health Services	27.5	27.5	27.4	.0	.2
Nursing and Personal Care Facilities	4.0	4.1	4.1	.0	-.1
Hospitals	15.0	15.1	15.1	.0	.0
Engineering and Management Services	6.3	6.2	5.9	.1	.4
Government	45.6	45.8	45.2	-.2	.4
Federal Government	2.9	2.8	2.7	.1	.2
State Government	17.7	17.8	17.1	-.1	.6
State Government Education[h]	13.3	13.4	12.9	-.1	.5
Local Government	25.0	25.3	25.5	-.3	-.4
Local Government Education	14.7	15.0	15.0	-.3	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

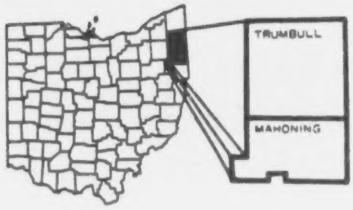
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$603.63	$588.60	$563.73	43.9	43.6	43.0	$13.75	$13.50	$13.11
Durable Goods[f]	629.31	609.57	565.82	44.6	44.3	42.8	14.11	13.76	13.22
Stone, Clay, and Glass Products	563.05	505.56	485.18	44.3	42.2	42.3	12.71	11.98	11.47
Primary Metal Industries	466.91	487.03	489.00	41.8	43.1	43.7	11.17	11.30	11.19
Fabricated Metal Products	508.80	557.34	471.94	43.9	46.6	42.1	11.59	11.96	11.21
Metal Forgings and Stampings	640.83	729.18	617.99	41.0	44.9	41.7	15.63	16.24	14.82
Industrial Machinery and Equipment	486.97	507.72	511.92	41.8	43.1	43.2	11.65	11.78	11.85
Transportation Equipment	876.86	800.80	709.20	48.1	45.5	42.8	18.23	17.60	16.57
Nondurable Goods[g]	524.59	522.90	554.59	41.8	41.5	43.6	12.55	12.60	12.72
Food and Kindred Products	543.36	603.05	624.51	40.1	42.8	44.8	13.55	14.09	13.94
Rubber and Miscellaneous Plastics Products	383.78	370.05	361.88	42.5	41.3	41.5	9.03	8.96	8.72
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	739.50	731.74	576.47	44.9	44.7	40.2	16.47	16.37	14.34
Wholesale Trade	416.75	420.80	397.94	40.5	40.5	39.4	10.29	10.39	10.10
Retail Trade[i]	164.70	160.40	159.71	27.0	26.6	27.3	6.10	6.03	5.85
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	361.68	362.92	341.20	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor- management disputes.

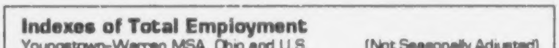
YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

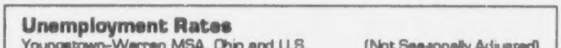


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area totaled 200,900 in April 1990, up 2,600 from the March level. Employment in service-producing industries increased 1,500. More business in retail trade and services more than offset seasonal layoffs of nonteaching personnel in state and local schools and colleges. Modest gains in construction and durable-goods manufacturing, especially primary metal industries, raised employment in goods-producing industries 1,100 to 57,400. Factory production workers averaged $14.31 per hour, 8 cents higher than March. Their average workweek of 42.1 hours was 0.2 hours longer.

Total nonfarm wage and salary employment advanced 3,800 between April 1989 and April 1990. The service-producing sector added 4,800 jobs. Expansion in services, retail trade, and wholesale trade contributed most to the gain. Reductions in durable-goods manufacturing lowered the workforce in goods-producing industries 1,000 from the year-ago level. Noteworthy declines were recorded in primary metal industries, transportation equipment, and fabricated metal products.

Seasonally adjusted employment in the Youngstown-Warren area, at 201,000 in April, was unchanged from March. Since April 1989, total payroll employment rose 3,000. Growth in services, wholesale trade, and retail trade outweighed a decline in manufacturing.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)

Youngstown–Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
		Total	Rate					Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
220.8	207.3	13.5	6.1	April	197.0	50.7	38.7	589.48	42.5	13.87
222.9	209.3	13.5	6.1	May	199.2	50.7	38.6	603.60	43.3	13.94
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.6	205.2	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
INA	INA	INA	INA	April	200.9	49.5	37.2	602.45	42.1	14.31

INA – information not available

Youngstown–Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	59	8	51	April	139	8	11	42	9	46	24
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	200.9	198.2	197.0	2.6	3.8
Goods-Producing Industries[e]	57.4	56.3	58.4	1.1	-1.0
Construction	7.5	6.6	7.3	.9	.1
Manufacturing	49.5	49.3	50.7	2	-1.2
Durable Goods[f]	44.3	44.0	45.7	.3	-1.4
Primary Metal Industries	18.6	18.3	19.0	.3	-.4
Blast Furnace and Basic Steel Products	6.0	6.0	5.9	.1	.1
Fabricated Metal Products	7.2	7.2	7.5	.0	-.3
Metal Forgings and Stampings	3.8	3.9	4.0	.0	-.2
Industrial Machinery and Equipment	4.2	4.2	4.4	.0	-.1
Transportation Equipment	9.1	9.2	9.5	-.1	-.4
Nondurable Goods[g]	5.2	5.3	5.0	-.1	.2
Service-Producing Industries	143.5	141.9	138.6	1.5	4.8
Transportation and Public Utilities	7.8	7.7	7.7	.2	.1
Wholesale Trade	11.8	11.6	10.6	.2	1.2
Wholesale Trade-Durable Goods	7.3	7.2	6.9	.1	.4
Wholesale Trade-Nondurable Goods	4.5	4.4	3.8	.1	.7
Retail Trade	42.8	41.7	41.4	1.1	1.4
General Merchandise Stores	5.1	5.1	5.3	.0	-.2
Finance, Insurance, and Real Estate	8.8	8.7	8.5	.0	.2
Finance	4.7	4.8	4.6	.0	.1
Services	47.5	46.8	45.8	.7	1.7
Health Services	21.1	21.1	20.6	.0	.5
Nursing and Personal Care Facilities	4.8	4.8	4.6	.0	.1
Hospitals	10.7	10.7	10.6	.0	.1
Government	24.7	25.4	24.5	-.7	.2
State Government	4.0	4.5	4.2	-.5	-.2
State Government Education[h]	2.5	3.0	2.7	-.4	-.2
Local Government	18.6	18.9	18.2	-.3	.3
Local Government Education	12.0	12.4	11.9	-.4	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$602.45	$596.24	$589.48	42.1	41.9	42.5	$14.31	$14.23	$13.87
Durable Goods[f]	618.43	612.78	608.32	42.3	42.0	42.9	14.62	14.59	14.18
Primary Metal Industries	667.38	651.97	645.92	42.4	41.5	42.3	15.74	15.71	15.27
Blast Furnace and Basic Steel Products	689.16	676.17	592.30	47.3	46.6	44.4	14.57	14.51	13.34
Fabricated Metal Products	599.20	593.96	614.26	42.8	42.7	45.4	14.00	13.91	13.53
Metal Forgings and Stampings	703.30	699.08	725.21	43.2	43.1	47.0	16.28	16.22	15.43
Industrial Machinery and Equipment	488.03	524.10	511.12	40.2	42.3	42.7	12.14	12.39	11.97
Transportation Equipment	678.83	679.81	672.11	43.1	43.3	43.9	15.75	15.70	15.31
Nondurable Goods[g]	415.67	416.98	392.19	39.4	40.8	38.3	10.55	10.22	10.24
Wholesale Trade	378.94	380.00	364.94	38.2	38.5	38.7	9.92	9.87	9.43
Retail Trade[i]	180.78	177.12	180.29	27.6	27.0	28.8	6.55	6.56	6.26
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	227.16	224.07	223.66	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
In the Hamilton-Middletown metropolitan area, nonfarm payroll employment totaled 96,900 in April 1990, up 1,600 from the March level. More business in retail trade and services raised employment in service-producing industries 1,000. The number of workers in goods-producing industries increased 700 over the month to 27,600 primarily due to improvements in construction and mining. Manufacturing production workers averaged $13.63 per hour, 12 cents higher than March. Their average workweek of 44.5 hours was 0.5 hours longer. Nonagricultural wage and salary employment advanced 1,500 between April 1989 and April 1990. Expansion in services helped raise employment in service-producing industries 1,200. Goods-producing industries increased 300 as modest growth in construction and mining more than offset scattered declines in manufacturing.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area rose 1,400 above the March level to 74,200 in April 1990. More business in retail trade and services raised employment in service-producing industries 900. The goods-producing sector added 500 employees over the month to 26,700. Modest gains were posted in construction and mining and in manufacturing, especially transportation equipment. Factory production workers averaged $13.08 per hour, down 7 cents from March. Their average workweek of 41.4 hours was 0.7 hours shorter. Nonfarm wage and salary employment advanced 2,000 between April 1989 and April 1990. The number of workers in service-producing industries increased 1,300 primarily due to growth in retail trade. Improvements in manufacturing and construction and mining raised employment in goods-producing industries 700 during the period. Gains in fabricated metal products, industrial machinery and equipment, and rubber and miscellaneous plastics products more than offset a reduction in transportation equipment.

Lorain–Elyria PMSA
Total nonfarm wage and salary employment in the Lorain-Elyria metropolitan area increased 1,500 from the March level to 93,600 in April 1990. Seasonal trends in retail trade and services raised employment in service-producing industries 1,200. Employment in goods-producing industries, at 32,300, added 300 jobs over the month. Slight increases in construction and mining more than offset declines in durable-goods manufacturing, especially transportation equipment. Factory production workers averaged $13.51 per hour, up 10 cents from March. Their average workweek of 42.3 hours was 0.7 hours shorter. Nonagricultural payroll employment advanced 400 between April 1989 and April 1990. Improvements in retail trade, transportation and public utilities, and services increased employment in service-producing industries 1,400. Over-the-year reductions in manufacturing lowered goods-producing industries 1,000. Decreased production in transportation equipment and primary metal industries negated slight growth in construction and mining.

Mansfield MSA
In the Mansfield metropolitan area, nonfarm wage and salary employment totaled 60,400 in April 1990, up 700 from March. More business in retail trade and services increased employment in the service-producing sector 800. The number of workers in goods-producing industries declined 100 over the month to 20,600. Reductions in durable-goods manufacturing, especially fabricated metal products, negated slight gains in construction and mining. Factory production workers averaged $12.88 per hour, down 15 cents from March. Their average workweek of 39.9 hours was 0.8 hours shorter. Nonagricultural payroll employment advanced 100 between April 1989 and April 1990. Growth in retail trade raised employment in service-producing industries 700. Scattered declines in durable-goods manufacturing, particularly fabricated metal products, reduced the workforce in goods-producing industries 700 during the period.

Steubenville–Weirton MSA
Nonagricultural wage and salary employment in the Steubenville-Weirton metropolitan area rose 800 above the March level to 53,600 in April 1990. Seasonal trends in services and retail trade created 600 additional jobs in the service-producing sector. A modest gain in construction employment raised goods-producing industries 200 over the month to 20,400. Manufacturing production workers averaged $11.76 per hour, up fractionally from March. Their average workweek was unchanged at 42.5 hours. Nonfarm payroll employment advanced 2,500 between April 1989 and April 1990. Service-producing industries contributed 72.0 percent of the improvement. Leading areas of expansion were services and retail trade. Growth in construction and manufacturing increased employment in goods-producing industries 700 during the period.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			**Change[d]** (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	130.4	130.7	132.0	-.3	-1.6
Employment	122.2	121.9	124.1	.3	-1.9
Unemployment	8.2	8.8	7.9	-.6	.3
Unemployment Rate	6.3	6.7	6.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			**Change[d]** (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	96.9	95.2	95.4	1.6	1.5
Goods–Producing Industries	27.6	26.9	27.3	.7	.3
Construction and Mining	5.7	5.2	5.3	.5	.4
Manufacturing	21.8	21.7	22.0	.2	-.2
Durable Goods	15.0	15.0	15.1	.1	-.1
Primary Metal Industries	6.9	6.8	6.7	.1	.3
Fabricated Metal Products	2.4	2.4	2.4	.0	.0
Industrial Machinery and Equipment	2.5	2.5	2.4	.0	.1
Nondurable Goods	6.8	6.7	6.9	.1	-.1
Paper and Allied Products	4.8	4.8	5.0	.1	-.1
Paper Mills	3.6	3.5	3.7	.1	-.1
Service–Producing Industries	69.3	68.4	68.1	1.0	1.2
Transportation and Public Utilities	3.4	3.4	3.4	.0	.1
Wholesale Trade	5.7	5.6	5.6	.0	.0
Wholesale Trade–Durable Goods	3.9	3.9	3.9	.0	.0
Retail Trade	17.9	17.4	17.7	.5	.1
Food Stores	3.0	2.9	3.1	.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.8	.0	-.1
Services	19.6	19.2	18.8	.4	.8
Health Services	8.3	8.3	8.0	.0	.4
Government	18.1	18.1	17.8	.0	.3
State Government	7.7	7.8	7.5	-.1	.2
Local Government	9.8	9.7	9.8	.1	.1
Local Government Education	6.4	6.4	6.3	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			**Average Weekly Hours**			**Average Hourly Earnings**		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$606.54	$594.44	$610.58	44.5	44.0	45.6	$13.63	$13.51	$13.39
Durable Goods	622.62	614.50	626.52	44.6	44.4	46.0	13.96	13.84	13.62
Primary Metal Industries	722.59	680.68	737.81	46.8	44.9	48.7	15.44	15.16	15.15
Fabricated Metal Products	488.01	540.38	504.70	40.6	43.3	41.2	12.02	12.48	12.25
Industrial Machinery and Equipment	619.97	617.24	641.59	47.8	47.7	50.4	12.97	12.94	12.73
Nondurable Goods	566.20	545.65	572.61	44.2	43.1	44.7	12.81	12.66	12.81
Paper and Allied Products	597.23	574.13	599.98	45.8	44.3	45.8	13.04	12.96	13.10
Paper Mills	605.53	576.40	613.26	45.7	43.7	45.8	13.25	13.19	13.39
Wholesale Trade	449.43	449.02	408.78	42.6	42.4	41.5	10.55	10.59	9.85
Retail Trade[i]	168.36	169.80	164.08	27.6	27.7	28.0	6.10	6.13	5.86

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	76.9	76.8	76.5	.1	.4
Employment	71.5	71.3	71.9	.2	-.4
Unemployment	5.3	5.5	4.6	-.2	.7
Unemployment Rate	6.9	7.1	6.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	74.2	72.8	72.2	1.4	2.0
Goods-Producing Industries	26.7	26.1	26.0	.5	.7
Construction and Mining	3.3	3.0	3.0	.3	.3
Manufacturing	23.4	23.1	23.0	.3	.4
Durable Goods	17.2	17.0	17.0	.2	.1
Fabricated Metal Products	2.8	2.7	2.5	.1	.3
Industrial Machinery and Equipment	4.2	4.2	3.9	.0	.3
Transportation Equipment	7.3	7.2	7.7	.2	-.4
Motor Vehicles and Equipment	3.6	3.4	3.9	.2	-.3
Nondurable Goods	6.2	6.1	5.9	.1	.3
Food and Kindred Products	1.7	1.7	1.8	.0	-.1
Rubber and Miscellaneous Plastics Products	2.2	2.1	1.9	.1	.3
Service-Producing Industries	47.5	46.6	46.3	.9	1.3
Transportation and Public Utilities	3.2	3.1	3.0	.1	.2
Wholesale Trade	3.4	3.4	3.4	.0	.0
Retail Trade	14.7	14.1	13.9	.6	.9
General Merchandise Stores	2.1	2.1	1.9	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.0	.0	.1
Services	14.6	14.5	14.5	.2	.1
Health Services	6.5	6.5	6.3	.0	.2
Hospitals	3.1	3.1	3.1	.0	.0
Government	9.4	9.5	9.5	-.1	.0
Local Government	7.0	7.1	7.1	-.1	-.1
Local Government Education	4.3	4.3	4.2	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$541.51	$553.62	$550.82	41.4	42.1	42.6	$13.08	$13.15	$12.93
Durable Goods	538.61	546.33	550.38	41.4	41.8	42.5	13.01	13.07	12.95
Fabricated Metal Products	345.77	366.96	356.00	40.3	41.7	40.0	8.58	8.80	8.90
Industrial Machinery and Equipment	457.14	449.40	480.53	40.1	39.7	42.3	11.40	11.32	11.36
Transportation Equipment	684.68	701.33	654.80	42.5	43.0	42.3	16.11	16.31	15.48
Motor Vehicles and Equipment	790.65	822.53	727.97	45.0	45.9	44.2	17.57	17.92	16.47
Nondurable Goods	549.38	575.77	551.69	41.4	43.0	42.8	13.27	13.39	12.89
Food and Kindred Products	382.82	410.55	368.63	40.9	42.9	41.7	9.36	9.57	8.84
Rubber and Miscellaneous Plastics Products	535.39	606.90	592.94	41.6	45.7	46.0	12.87	13.28	12.89
Wholesale Trade	369.41	367.87	368.06	38.4	38.4	38.5	9.62	9.58	9.56
Retail Trade[i]	187.66	186.88	165.87	29.6	29.9	28.5	6.34	6.25	5.82
General Merchandise Stores	166.78	168.48	160.06	26.9	27.0	25.9	6.20	6.24	6.18

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			**Change**[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	116.2	116.6	118.6	-.5	-2.4
Employment	108.4	107.7	110.4	.7	-2.0
Unemployment	7.8	8.9	8.2	-1.1	-.4
Unemployment Rate	6.7	7.7	6.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			**Change**[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	93.6	92.1	93.2	1.5	.4
Goods–Producing Industries	32.3	32.0	33.3	.3	-1.0
Construction and Mining	4.0	3.6	3.7	.4	.3
Manufacturing	28.4	28.4	29.6	-.1	-1.3
Durable Goods	23.6	23.8	25.0	-.2	-1.4
Primary Metal Industries	4.4	4.4	4.7	.0	-.3
Fabricated Metal Products	4.2	4.2	4.2	.0	.0
Transportation Equipment	7.6	7.9	8.6	-.3	-.9
Nondurable Goods	4.8	4.6	4.6	.1	.1
Service–Producing Industries	61.3	60.1	59.8	1.2	1.4
Transportation and Public Utilities	3.5	3.5	3.1	.0	.4
Wholesale Trade	2.4	2.4	2.5	.0	-.1
Retail Trade	17.2	16.5	16.4	.7	.8
Finance, Insurance, and Real Estate	3.2	3.2	3.1	.0	.1
Services	21.2	20.7	21.0	.5	.3
Health Services	8.6	8.5	8.4	.1	.2
Hospitals	4.2	4.1	4.1	.1	.1
Government	13.7	13.8	13.7	-.1	.0
Local Government	11.5	11.6	11.9	-.1	-.4
Local Government Education	7.8	7.9	7.7	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			**Average Weekly Hours**			**Average Hourly Earnings**		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$571.47	$576.63	$615.15	42.3	43.0	45.0	$13.51	$13.41	$13.67
Durable Goods	604.03	606.83	648.48	42.9	43.5	45.7	14.08	13.95	14.19
Primary Metal Industries	622.29	635.10	609.03	43.7	44.6	42.5	14.24	14.24	14.33
Fabricated Metal Products	392.75	430.22	431.32	40.2	43.5	43.7	9.77	9.89	9.87
Transportation Equipment	781.06	752.21	812.16	45.2	44.3	48.0	17.28	16.98	16.92
Nondurable Goods	390.00	402.80	407.23	39.0	40.0	40.4	10.00	10.07	10.08
Wholesale Trade	361.90	365.18	362.07	38.5	38.4	38.6	9.40	9.51	9.38
Retail Trade[i]	160.99	158.87	162.18	25.8	25.5	26.5	6.24	6.23	6.12

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.3	64.4	65.0	-.2	-.7
Employment	59.7	59.5	60.8	.2	-1.1
Unemployment	4.5	4.9	4.1	-.4	.4
Unemployment Rate	7.0	7.6	6.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	60.4	59.7	60.3	.7	.1
Goods-Producing Industries	20.6	20.7	21.2	-.1	-.7
Construction and Mining	2.1	1.9	2.0	.2	.1
Manufacturing	18.5	18.8	19.3	-.3	-.7
Durable Goods	16.4	16.7	17.2	-.3	-.8
Fabricated Metal Products	5.3	5.5	5.7	-.2	-.5
Electronic and Other Electric Equipment	3.4	3.4	3.3	.0	.2
Nondurable Goods	2.1	2.1	2.0	.0	.0
Service-Producing Industries	39.8	39.0	39.1	.8	.7
Transportation and Public Utilities	3.0	2.9	2.9	.1	.0
Wholesale Trade	2.3	2.2	2.2	.0	.1
Retail Trade	12.2	11.8	11.5	.5	.8
Finance, Insurance, and Real Estate	2.4	2.4	2.4	.0	-.1
Services	12.6	12.4	12.6	.2	-.1
Health Services	4.4	4.3	4.3	.1	.1
Government	7.4	7.4	7.4	.0	.0
Local Government	5.5	5.6	5.7	.0	-.1
Local Government Education	3.9	3.9	3.9	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$513.91	$530.32	$572.88	39.9	40.7	43.4	$12.88	$13.03	$13.20
Durable Goods	533.72	545.26	599.87	39.8	40.3	43.5	13.41	13.53	13.79
Fabricated Metal Products	627.40	646.09	810.25	38.8	39.3	46.3	16.17	16.44	17.50
Electronic and Other Electric Equipment	432.68	438.74	461.31	40.1	40.4	42.4	10.79	10.86	10.88
Nondurable Goods	336.13	392.91	324.37	40.4	43.9	41.8	8.32	8.95	7.76
Wholesale Trade	335.20	343.40	339.08	40.0	40.4	41.1	8.38	8.50	8.25
Retail Trade[i]	165.54	164.43	155.75	26.7	27.0	26.9	6.20	6.09	5.79

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Mar. 1990[b]	Feb. 1990[c]	Mar. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	56.4	56.1	55.8	.3	.6
Employment	52.9	52.3	52.1	.7	.8
Unemployment	3.5	3.9	3.7	-.4	-.2
Unemployment Rate	6.2	6.9	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Total	53.6	52.8	51.1	.8	2.5
Goods–Producing Industries	20.4	20.3	19.8	.2	.7
Mining	1.0	.9	.9	.0	.0
Construction	1.7	1.5	1.3	.2	.4
Manufacturing	17.8	17.8	17.6	.0	.3
Durable Goods	16.2	16.2	16.0	.0	.2
Primary Metal Industries	12.9	12.9	12.7	.0	.1
Nondurable Goods	1.6	1.6	1.5	.0	.1
Service–Producing Industries	33.1	32.5	31.3	.6	1.8
Transportation and Public Utilities	3.3	3.3	3.2	.0	.1
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.5	9.3	8.8	.2	.7
General Merchandise Stores	1.7	1.7	1.5	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.9	10.5	10.2	.4	.8
Health Services	4.6	4.5	4.5	.1	.1
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.3	6.3	6.2	.0	.1
Local Government	5.4	5.5	5.3	-.1	.1
Local Government Education	3.5	3.5	3.4	-.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]
Manufacturing	$499.80	$499.38	$487.72	42.5	42.5	42.3	$11.76	$11.75	$11.53
Durable Goods	521.42	524.27	515.16	43.2	43.4	43.4	12.07	12.08	11.87
Primary Metal Industries	558.55	556.85	537.43	44.4	44.3	43.8	12.58	12.57	12.27
Nondurable Goods	217.78	191.79	162.40	33.3	31.7	29.0	6.54	6.05	5.60
Wholesale Trade	336.54	342.28	325.25	39.5	39.8	38.4	8.52	8.60	8.47
Retail Trade[i]	162.98	158.71	167.90	27.3	26.9	28.8	5.97	5.90	5.83

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	April 1990	March 1990	April 1989
New Applicants	34,945	37,227	35,087
Active File of Job Seekers	207,792	206,250	280,862
Counseling Interviews	741	835	1,130
Tests Administered	2,274	2,412	1,459
General Aptitude Tests	221	1,431	116
Proficiency Tests	276	2,548	301
Specific Aptitude Tests	563	1,749	181
Referrals to Jobs	31,620	24,373	26,666
Placements	3,904	3,167	5,085
Job Openings Received	10,696	9,334	14,895
Job Openings Unfilled	19,527	17,022	25,411

Selected Unemployment Insurance Activities

	Ohio		
	April 1990	March 1990	April 1989
Initial Claims	51,085	45,905	35,167
Continued Claims	414,423	500,886	360,043
First Payments	17,234	27,539	15,579
Last Payments	6,589	6,280	5,548
Average Weekly Claimants	99,737	118,711	91,514
Average Weekly Benefit Recipients	91,346	111,046	82,736
Weeks Compensated	365,385	495,686	326,960
Benefits Paid	$60,752,213	$81,934,927	$51,162,719
Average Weekly Payment	$169.77	$172.46	$161.50
Continued Claims for Survey Week	96,703	114,389	85,735
Insured Unemployment Rate	2.2	2.6	2.0
Net Contributions	$91,737,959	$3,336,473	$79,247,270
Active Employer Accounts	207,217	206,470	204,265

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Labor Market Review

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Ohio
Labor
Market
Information

Labor Market Review

May 1990

Summary. The seasonally adjusted unemployment rate in Ohio for May was unchanged from the April rate of 5.9 percent. In the U.S., the rate fell from 5.4 percent in April to 5.3 percent in May. Ohio's total employment rose 9,000 from April to 5,107,000. The number of unemployed workers, at 321,000 increased 2,000 over the month. Nonfarm wage and salary employment (seasonally adjusted) advanced 7,000 from April to 4,910,000 in May. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries declined slightly from April to 1,338,000 in May. Both durable-goods employment, at 749,000, and nondurable-goods employment, at 373,000, were unchanged from April. There were small gains in printing and publishing and in rubber and miscellaneous plastics products and a slight drop in electronic and other electric equipment. Construction employment slipped 1,000 to 198,000 in May, while mining employment remained at 18,000.

Service-Producing Industries. An increase of 4,000 in services helped to boost employment in service-producing industries 8,000 from April to 3,572,000 in May. Employment in government was up 2,000, while wholesale trade and retail trade each advanced 1,000. There was no significant change in employment in transportation and public utilities or in finance, insurance, and real estate.

Over the Year. Ohio's unemployment rate increased from 5.4 percent in May 1989 to 5.9 percent in May 1990. The national rate of 5.3 percent was up from 5.2 percent a year ago. Total employment in Ohio fell 9,000 from May 1989, while total unemployment rose 28,000. Over the year, nonfarm wage and salary employment advanced 116,000. The largest gains were in services (+38,000) and in retail trade (+37,000). Government, wholesale trade, and construction also had noteworthy increases. Manufacturing employment declined 3,000 over the year as losses in most durable-goods industries, especially transportation equipment and primary metal industries, overshadowed growth in nondurable-goods employment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned a record-high average of $540.99 per week in May, up $23.90 from April. Their average workweek rose 1.3 hours to 42.8 hours. Almost all manufacturing industries had increased earnings due to more overtime in May. The most significant were motor vehicles and equipment, metal forgings and stampings, general industrial machinery, miscellaneous plastics products, refrigeration and service machinery, and fabricated structural metal products.

Benefits and Costs. There were 43,125 initial claims filed under the Ohio Unemployment Compensation Law in May, down 15.6 percent from April and down 2.6 percent from May 1989.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Total benefits paid fell 6.6 percent to $56.8 million. The average weekly benefit check of $168.39 was $1.38 lower than in April. The average weekly number of benefit recipients, at 74,441, was down 18.5 percent. At the end of May, there were 205,506 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 35,050 new job applicants in May, up 0.3 percent from April, but down 6.8 percent from May 1989. Job openings received from employers rose 17.8 percent from April to 12,605. The Employment Services Division made 28,586 job referrals and 5,770 placements.

Occupational Survey Underway

Many Ohio employers in the nonmanufacturing sector are being asked to participate in the Occupational Employment Statistics (OES) survey. The OES survey provides baseline information on the occupational composition of jobs in Ohio. These data have many uses, including being a major input in developing projections of future employment patterns and training needs. OES data are also helpful in market research targeted toward specific groups of workers and in developing company staffing strategies.

Occupational Employment Statistics are obtained by a mail survey of a sample of employers in nonagricultural industries. Information provided by individual employers is confidential and will not be identifiable in OES publications. For further information on the OES survey, contact Rick Greene at (614) 644-2689, or write:

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Ohio

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1990	Apr. 1990	May 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,428	5,417	5,409	11	19	.2	.4
Employment	5,107	5,098	5,116	9	-9	.2	-.2
Unemployment	321	319	293	2	28	.6	9.6
Unemployment Rate	5.9	5.9	5.4				
Employer Survey Data[e]							
Total	4,910	4,904	4,795	7	116	.1	2.4
Goods–Producing Industries	1,338	1,340	1,332	-1	6	-.1	.5
Mining	18	18	18	0	0	.4	1.2
Coal Mining	8	8	8	0	0	.4	1.0
Oil and Gas Extraction	6	6	6	0	0	.6	.3
Construction	198	199	190	-1	9	-.6	4.6
General Building Contractors	47	47	46	0	1	-.4	3.1
Heavy Construction, Except Building	23	23	23	-1	0	-4.1	.1
Special Trade Contractors	128	129	121	0	7	-.1	6.0
Manufacturing	1,122	1,122	1,125	0	-3	.0	-.3
Durable Goods	749	749	755	0	-7	-.1	-.9
Lumber and Wood Products	23	23	22	0	1	.6	6.3
Furniture and Fixtures	15	16	15	0	0	-1.0	.7
Stone, Clay, and Glass Products	46	46	46	0	0	-.4	.5
Primary Metal Industries	101	100	103	0	-2	.4	-1.8
Fabricated Metal Products	135	135	136	0	-1	.2	-.8
Industrial Machinery and Equipment	167	167	168	0	-1	.3	-.4
Electronic and Other Electric Equipment	78	79	79	-1	-1	-.9	-1.5
Transportation Equipment	141	142	144	0	-3	-.3	-2.2
Instruments and Related Products	26	26	27	0	0	-.1	-1.7
Nondurable Goods	373	373	369	0	4	.0	1.0
Food and Kindred Products	64	64	63	0	0	-.8	.1
Apparel and Other Textile Products	15	15	15	0	0	1.5	-1.2
Paper and Allied Products	38	38	38	0	0	-1.0	.2
Printing and Publishing	76	75	74	1	2	.7	2.6
Chemicals and Allied Products	66	66	65	0	1	[illegible]	1.6
Rubber and Misc. Plastics Products	97	96	96	1	1	.7	[illegible]
Service–Producing Industries	3,572	3,564	3,463	8	110	.2	3.2
Transportation and Public Utilities	218	218	215	0	3	.0	1.6
Transportation	128	128	124	0	4	.2	3.2
Communications, Electric, Gas Services	90	90	91	0	-1	-.4	-.6

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	May 1990	Apr. 1990	May 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	272	270	262	1	9	.4	3.6
Wholesale Trade-Durable Goods	172	171	166	1	5	.4	3.3
Wholesale Trade-Nondurable Goods	100	99	96	1	4	.6	4.1
Retail Trade	933	932	896	1	37	.1	4.1
Building Materials and Garden Supplies	36	36	34	0	2	-.5	4.6
General Merchandise Stores	128	128	126	1	3	.4	2.0
Food Stores	144	144	139	0	4	.0	3.2
Automotive Dealers and Service Stations	102	102	98	0	4	.1	3.7
Apparel and Accessory Stores	52	52	48	0	4	.4	8.7
Furniture and Homefurnishings Stores	33	33	32	0	2	.4	6.0
Eating and Drinking Places	315	315	306	0	9	.0	3.0
Miscellaneous Retail	122	122	113	0	9	.2	8.3
Finance, Insurance, and Real Estate	257	257	251	0	6	.1	2.3
Finance	121	121	119	0	1	.0	1.1
Depository Institutions	91	91	90	0	0	-.2	.5
Insurance	93	93	90	0	2	.1	2.6
Real Estate	44	44	42	0	2	.4	5.2
Services	1,171	1,168	1,133	4	38	.3	3.4
Hotels and Other Lodging Places	39	39	38	0	1	.0	1.8
Personal Services	55	55	53	0	2	-.6	3.2
Business Services	215	213	202	1	13	.6	6.3
Amusements, Including Motion Pictures	56	56	57	0	-1	.2	-1.6
Health Services	395	394	383	1	12	.3	3.2
Legal Services	30	30	28	0	2	.6	6.0
Educational Services	60	60	62	0	-2	-.3	-3.4
Social Services	74	74	71	0	3	.5	3.8
Membership Organizations	80	80	78	0	2	.3	3.1
Engineering and Management Services	87	86	84	0	2	.3	2.6
Government	721	719	704	2	16	.3	2.3
Federal Government	100	99	97	1	3	1.2	3.3
State Government	161	161	157	0	4	.1	2.7
State Government Education	84	84	82	0	2	-.2	2.5
Local Government	459	458	450	1	9	.2	2.0
Local Government Education	267	267	263	0	4	-.1	1.7

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,278	4,957	321	6.1	5.6	May
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May

Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
May	4,689	1,312	19	188	1,105
June	4,707	1,316	19	188	1,109
July	4,713	1,319	19	186	1,114
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,892	1,341	18	199	1,124
March	4,905	1,340	18	200	1,122
April	4,904	1,340	18	199	1,122
May	4,910	1,338	18	198	1,122

Service-Producing Employment
(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,377	212	May	256	878	249	May	1,089	693
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,572	218	May	272	933	257	May	1,171	721

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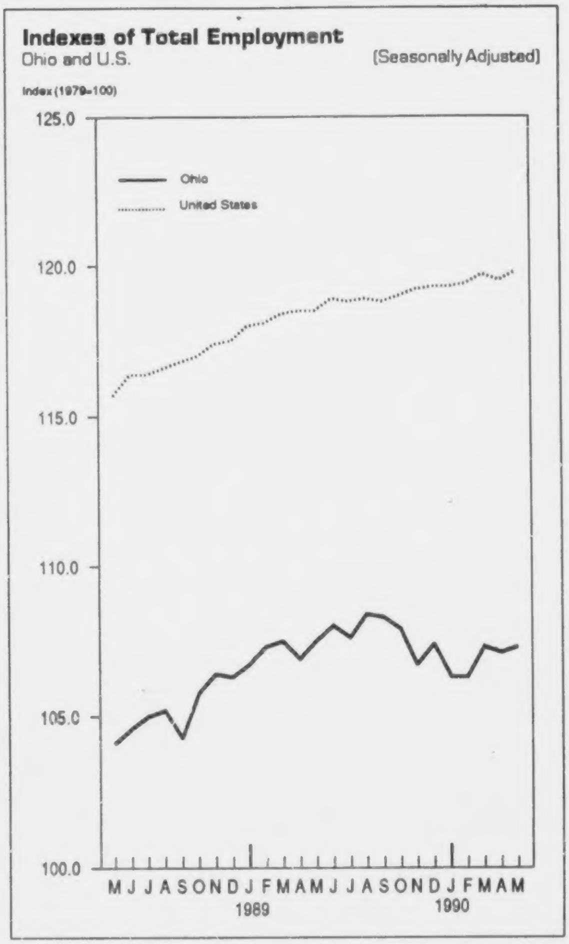
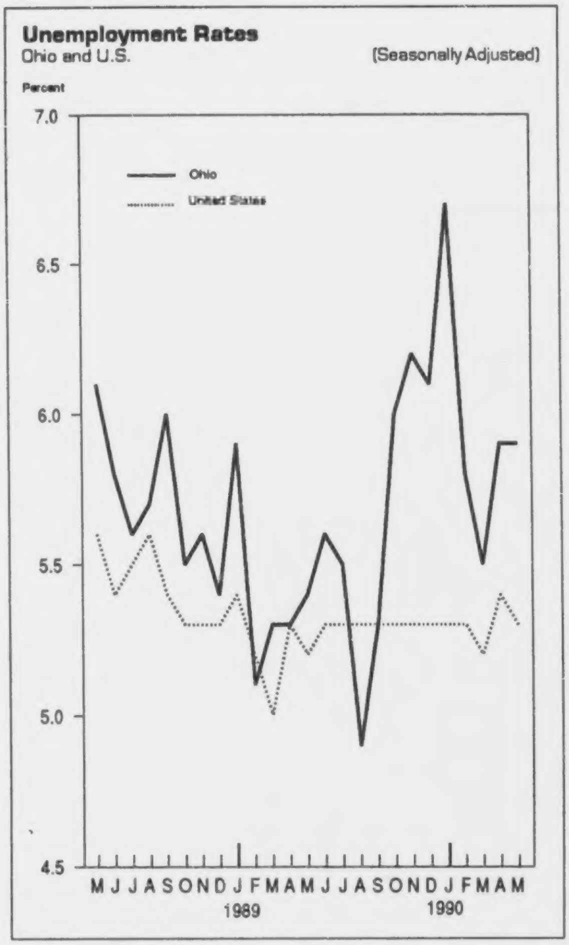
[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)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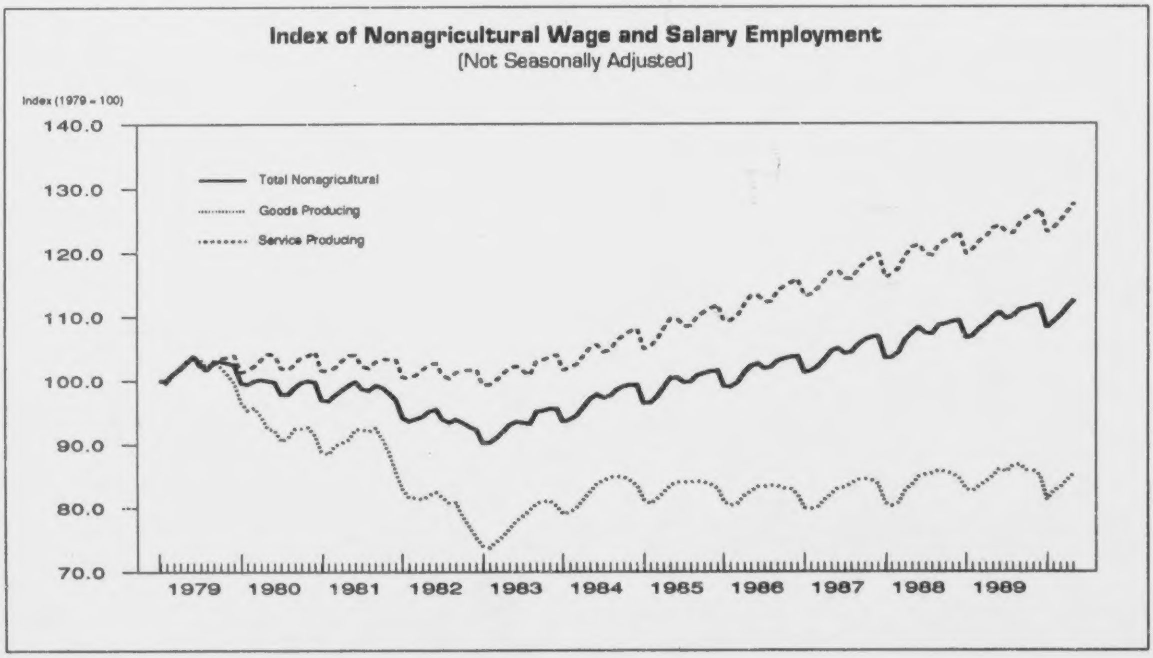
Ohio and U.S. (Seasonally Adjusted)


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,393	5,117	276	5.1	5.0	May
5,505	5,184	320	5.8	5.5	June
5,483	5,210	273	5.0	5.3	July
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1979	4,484.8	1,596.8	31.6	182.9	1,382.3
1980	4,367.4	1,462.5	30.7	167.4	1,264.3
1981	4,317.7	1,417.0	30.7	153.7	1,232.6
1982	4,124.3	1,264.8	30.3	134.6	1,099.9
1983	4,092.5	1,223.4	26.6	130.8	1,066.0
1984	4,260.2	1,299.7	27.8	144.8	1,127.0
1985	4,372.9	1,304.3	26.1	154.0	1,124.2
1986	4,471.4	1,293.1	22.6	160.7	1,109.8
1987	4,582.6	1,296.2	20.9	176.4	1,098.9
1988	4,700.6	1,315.1	18.9	185.6	1,110.6
1989	4,817.2	1,333.9	17.8	193.1	1,123.0
1989					
May	4,827.0	1,333.3	17.8	191.3	1,124.2
June	4,858.3	1,351.4	18.1	201.8	1,131.5
July	4,815.3	1,343.2	15.4	209.6	1,118.2
August	4,830.3	1,358.7	18.5	212.3	1,128.0
September	4,877.8	1,361.7	18.5	211.8	1,131.4
October	4,885.7	1,347.1	18.6	212.3	1,116.3
November	4,900.8	1,346.8	18.3	205.5	1,123.0
December	4,909.6	1,335.6	18.1	195.8	1,121.7
1990					
January	4,752.1	1,275.5	17.6	170.6	1,087.3
February	4,790.2	1,297.3	17.3	166.2	1,113.8
March	4,834.5	1,307.0	17.5	174.7	1,114.8
April	4,889.3	1,324.4	17.7	188.3	1,118.4
May	4,942.4	1,338.9	18.0	199.9	1,121.1

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,493.6	215.1	May	262.4	899.5	251.2	May	1,142.5	723.0
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,603.4	218.5	May	271.5	936.2	257.0	May	1,180.4	739.8

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,124.2	756.5	367.7	May	771.7	403.0	33.0
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,121.1	749.6	371.5	May	766.8	414.8	32.8

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
522.22	543.02	473.10	May	42.7	43.2	41.5	May	12.23	12.57	11.40
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
540.99	561.59	495.10	May	42.8	43.1	42.1	May	12.64	13.03	11.76

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
				Employment (thousands)						
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
45.7	103.3	136.8	May	167.8	78.9	144.9	May	62.4	73.5	96.1
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.9	101.3	135.6	May	167.0	77.7	141.9	May	62.5	75.4	96.9
				Average Weekly Earnings of Production Workers						
$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
473.45	620.64	514.61	May	537.34	457.19	692.19	May	454.69	446.18	450.71
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
502.99	657.79	524.78	May	548.05	457.06	728.61	May	468.71	467.67	461.00

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	4942.4	4889.3	4827.0	53.1	115.4
Goods-Producing Industries	1338.9	1324.4	1333.3	14.5	5.6
Mining	18.0	17.7	17.8	.3	.2
Coal Mining	7.5	7.5	7.5	.0	.1
Oil and Gas Extraction	5.4	5.4	5.4	.0	.0
Construction	199.9	188.3	191.3	11.5	8.6
General Building Contractors	47.1	45.5	45.7	1.6	1.4
Nonresidential Building Construction	23.4	22.7	23.6	.7	-.3
Heavy Construction, Except Building	23.8	21.0	23.8	2.9	.1
Highway and Street Construction	8.4	6.7	8.6	1.7	-.2
Special Trade Contractors	129.0	121.9	121.8	7.1	7.1
Manufacturing	1121.1	1118.4	1124.2	2.7	-3.2
Durable Goods[f]	749.6	748.5	756.5	1.1	-6.9
Lumber and Wood Products	23.5	23.0	22.1	.5	1.4
Millwork, Plywood and Structural Members	10.7	10.3	10.0	.4	.7
Furniture and Fixtures	15.3	15.5	15.2	-.2	.1
Stone, Clay, and Glass Products	45.9	45.6	45.7	.3	.2
Primary Metal Industries	101.3	100.8	103.3	.5	-2.0
Blast Furnace and Basic Steel Products	46.9	47.2	46.8	-.2	.1
Iron and Steel Foundries	19.7	19.2	20.9	.5	-1.2
Nonferrous Rolling and Drawing	16.7	16.5	17.4	.2	-.7
Nonferrous Foundries	10.8	10.9	10.8	-.1	.0
Fabricated Metal Products	135.6	134.9	136.8	.7	-1.3
Fabricated Structural Metal Products	30.0	30.1	30.1	-.2	-.2
Metal Forgings and Stampings	38.9	38.5	40.0	.4	-1.1
Industrial Machinery and Equipment	167.0	166.6	167.8	.4	-.8
Construction and Related Machinery	14.3	14.4	14.1	-.1	.3
Metalworking Machinery	47.0	47.1	47.8	.0	-.7
Special Industry Machinery	17.5	17.4	17.0	.1	.5
General Industrial Machinery	25.9	25.8	26.3	.1	-.4
Computer and Office Equipment	11.2	11.2	11.3	.0	-.1
Refrigeration and Service Machinery	15.7	15.3	16.5	.4	-.8
Electronic and Other Electric Equipment	77.7	78.3	78.9	-.5	-1.2
Electrical Industrial Apparatus	12.1	12.3	12.6	-.2	-.5
Household Appliances	15.6	15.8	14.9	-.2	.7
Electric Lighting and Wiring Equipment	16.4	16.4	16.6	.0	-.3
Electronic Components and Accessories	11.5	11.4	11.3	.1	.2
Transportation Equipment	141.9	142.4	144.9	-.5	-3.0
Motor Vehicles and Equipment	96.2	96.7	99.7	-.5	-3.5
Aircraft and Parts	36.8	36.8	36.2	.0	.6
Instruments and Related Products	26.2	26.3	26.7	-.1	-.5
Measuring and Controlling Devices	16.0	16.0	16.2	.0	-.2
Nondurable Goods[g]	371.5	369.9	367.7	1.6	3.8
Food and Kindred Products	62.5	62.5	62.4	.0	.1
Dairy Products	10.6	10.4	10.2	.2	.4
Preserved Fruits and Vegetables	10.4	10.5	10.6	-.1	-.2
Bakery Products	9.5	9.7	9.5	-.2	-.1
Apparel and Other Textile Products	15.2	14.9	15.3	.3	-.2
Paper and Allied Products	37.4	37.8	37.4	-.3	.1
Paperboard Containers and Boxes	13.7	13.8	13.4	-.1	.3
Miscellaneous Converted Paper Products	12.2	12.3	12.1	-.1	.1
Printing and Publishing	75.4	74.8	73.5	.6	1.9
Newspapers	19.2	19.1	18.6	.1	.6
Commercial Printing	27.7	27.5	27.1	.1	.6
Chemicals and Allied Products	65.9	65.7	64.9	.3	1.0
Plastics Materials and Synthetics	9.8	9.8	9.6	.0	.2
Rubber and Miscellaneous Plastics Products	96.9	96.2	96.1	.7	.8
Tires and Inner Tubes	15.9	15.9	15.6	.1	.4
Miscellaneous Plastics Products	58.6	58.1	57.7	.5	.9
Service-Producing Industries	3603.4	3564.8	3493.6	38.6	109.8
Transportation and Public Utilities	218.5	216.5	215.1	2.0	3.4
Transportation	128.7	126.7	124.8	2.1	4.0
Railroad Transportation	12.3	12.1	13.2	.2	-.9
Trucking and Warehousing	76.7	75.6	74.7	1.1	2.0
Transportation by Air	14.1	14.0	12.9	.0	1.2
Communications, Electric, Gas Services	89.8	89.9	90.3	-.1	-.6
Communications	46.5	46.6	47.6	-.1	-1.1
Electric, Gas, and Sanitary Services	43.3	43.3	42.7	.1	.6

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Wholesale Trade	271.5	269.5	262.4	2.0	9.2
Wholesale Trade-Durable Goods	171.9	170.7	166.6	1.2	5.3
Motor Vehicles, Parts, and Supplies	23.0	22.8	22.9	.2	.2
Professional and Commercial Equipment	33.0	33.0	31.9	.0	1.0
Metals and Minerals, Except Petroleum	11.4	11.3	11.1	.0	.2
Electrical Goods	18.7	18.7	18.3	.1	.5
Hardware, Plumbing and Heating Equipment	13.0	12.9	12.6	.1	.4
Machinery, Equipment, and Supplies	43.0	42.9	41.4	.2	1.6
Wholesale Trade-Nondurable Goods	99.7	98.8	95.8	.9	3.9
Groceries and Related Products	32.8	32.5	31.4	.2	1.4
Retail Trade	936.2	922.0	899.5	14.2	36.7
Building Materials and Garden Supplies	37.8	36.4	36.2	1.4	1.7
Lumber and Other Building Materials	18.5	17.9	17.8	.6	.7
General Merchandise Stores	124.3	123.8	121.8	.5	2.4
Department Stores	101.0	100.8	98.7	.2	2.3
Variety Stores	13.6	13.5	13.3	.1	.3
Food Stores	143.2	142.1	138.8	1.1	4.4
Grocery Stores	126.6	125.8	122.7	.8	3.9
Automotive Dealers and Service Stations	102.6	101.7	99.0	1.0	3.7
New and Used Car Dealers	45.1	44.9	43.7	.2	1.4
Gasoline Service Stations	35.8	35.4	33.7	.4	2.1
Apparel and Accessory Stores	51.0	50.4	46.9	.6	4.1
Furniture and Homefurnishings Stores	33.0	32.9	31.1	.1	1.9
Eating and Drinking Places	323.3	314.8	314.0	8.5	9.3
Miscellaneous Retail	121.0	120.0	111.8	1.1	9.3
Drug Stores and Proprietary Stores	32.4	32.2	30.2	.3	2.2
Nonstore Retailers	22.8	22.9	20.8	-.1	2.0
Finance, Insurance, and Real Estate	257.0	255.5	251.2	1.5	5.8
Finance	120.4	120.2	119.1	.3	1.3
Depository Institutions	90.6	90.5	90.1	.1	.4
Commercial Banks	63.9	63.9	63.0	.1	1.0
Insurance	92.6	92.5	90.3	.1	2.3
Insurance Carriers	70.8	70.7	69.3	.1	1.5
Life Insurance	25.8	25.9	25.8	-.1	.0
Fire, Marine, and Casualty Insurance	31.7	31.6	30.2	.1	1.5
Real Estate	43.9	42.8	41.8	1.1	2.2
Services	1180.4	1167.6	1142.5	12.8	37.9
Hotels and Other Lodging Places	39.1	37.7	38.4	1.4	.7
Personal Services	54.1	56.5	52.4	-2.4	1.7
Business Services	213.5	210.9	200.9	2.6	12.6
Services to Buildings	33.4	33.1	32.0	.3	1.4
Personnel Supply Services	73.6	72.0	69.4	1.6	4.2
Computer and Data Processing Services	27.3	27.2	25.0	.1	2.3
Amusements, Including Motion Pictures	62.8	53.6	63.8	9.1	-1.0
Health Services	393.7	392.1	381.4	1.7	12.4
Nursing and Personal Care Facilities	85.7	85.3	82.6	.4	3.2
Hospitals	190.4	189.9	186.0	.5	4.4
Legal Services	29.8	29.5	28.1	.3	1.7
Educational Services	60.6	64.1	62.7	-3.5	-2.1
Colleges and Universities	32.3	36.0	34.8	-3.7	-2.4
Social Services	74.5	74.2	71.9	.3	2.6
Residential Care	23.0	22.8	21.8	.2	1.2
Membership Organizations	80.6	80.0	78.2	.6	2.4
Engineering and Management Services	86.6	86.6	84.4	.0	2.2
Engineering and Architectural Services	26.7	26.4	25.8	.3	.9
Accounting, Auditing, and Bookkeeping	21.4	21.8	20.8	-.5	.5
Research and Testing Services	19.1	18.9	18.6	.2	.5
Management and Public Relations	19.5	19.5	19.2	.0	.3
Government	739.8	733.7	723.0	6.1	16.8
Federal Government	100.2	99.0	97.0	1.2	3.2
U.S. Postal Service	33.9	33.9	34.8	.0	-.9
State Government	168.7	169.3	164.3	-.6	4.3
State Government Hospitals	16.0	16.0	15.6	.1	.4
State Government Education[h]	91.1	91.8	88.9	-.7	2.2
Local Government	470.9	465.4	461.7	5.5	9.2
Local Government Hospitals	14.8	14.6	14.4	.0	.4
Local Government Education	279.6	277.0	274.9	2.6	4.7

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Goods-Producing Industries	$555.40	$528.02	$520.40	42.3	40.9	41.4	$13.13	$12.91	$12.57
Mining	634.44	615.56	582.12	44.9	44.0	44.1	14.13	13.99	13.20
Coal Mining	753.67	756.50	707.85	44.1	44.5	42.9	17.09	17.00	16.50
Construction	628.04	586.66	587.90	39.8	37.8	38.5	15.78	15.52	15.27
General Building Contractors	565.54	527.10	530.01	41.1	38.9	39.0	13.76	13.55	13.59
Heavy Construction, Except Building	657.31	560.16	675.95	40.6	36.0	40.5	16.19	15.56	16.69
Special Trade Contractors	641.38	608.48	589.72	39.3	37.7	37.9	16.32	16.14	15.56
Manufacturing	540.99	517.09	522.22	42.8	41.5	42.7	12.64	12.46	12.23
Durable Goods[f]	561.59	534.18	543.02	43.1	41.7	43.2	13.03	12.81	12.57
Lumber and Wood Products	314.06	311.33	337.02	38.3	38.2	41.2	8.20	8.15	8.18
Millwork, Plywood and Structural Members	354.78	359.86	350.27	40.5	40.8	41.6	8.76	8.82	8.42
Furniture and Fixtures	384.09	364.69	387.07	41.3	39.9	41.8	9.30	9.14	9.26
Stone, Clay, and Glass Products	502.99	494.79	473.45	43.7	43.1	42.5	11.51	11.48	11.14
Primary Metal Industries	657.79	636.41	620.64	44.9	43.8	44.3	14.65	14.53	14.01
Blast Furnace and Basic Steel Products	663.75	651.84	634.48	45.4	44.8	44.4	14.62	14.55	14.29
Iron and Steel Foundries	720.94	701.63	662.52	45.2	44.1	45.1	15.95	15.91	14.69
Nonferrous Rolling and Drawing	702.35	661.99	645.24	42.8	41.4	42.2	16.41	15.99	15.29
Nonferrous Foundries	487.88	443.52	472.19	45.3	42.2	44.8	10.77	10.51	10.54
Fabricated Metal Products	524.78	493.61	514.61	42.7	41.1	42.6	12.29	12.01	12.08
Fabricated Structural Metal Products	492.59	453.47	447.95	43.4	41.3	41.4	11.35	10.98	10.82
Metal Forgings and Stampings	647.90	603.39	647.97	43.6	41.3	44.2	14.86	14.61	14.66
Industrial Machinery and Equipment	548.05	509.60	537.34	43.6	41.6	43.9	12.57	12.25	12.24
Construction and Related Machinery	451.13	438.98	439.52	40.1	39.3	41.0	11.25	11.17	10.72
Metalworking Machinery	525.71	505.33	521.12	43.7	42.5	44.2	12.03	11.89	11.79
Special Industry Machinery	518.18	486.99	514.80	44.1	42.2	45.0	11.75	11.54	11.44
General Industrial Machinery	623.57	535.61	584.33	44.7	40.7	44.1	13.95	13.16	13.25
Computer and Office Equipment	466.16	491.06	458.71	41.4	43.0	41.4	11.26	11.42	11.08
Refrigeration and Service Machinery	617.76	554.80	639.47	42.9	40.0	44.5	14.40	13.87	14.37
Electronic and Other Electric Equipment	457.06	437.80	457.19	40.7	39.8	41.3	11.23	11.00	11.07
Electrical Industrial Apparatus	441.98	416.47	444.69	41.5	40.2	43.3	10.65	10.36	10.27
Household Appliances	479.59	471.64	490.45	39.8	39.6	40.3	12.05	11.91	12.17
Electric Lighting and Wiring Equipment	490.86	461.37	469.09	40.4	39.0	40.3	12.15	11.83	11.64
Electronic Components and Accessories	332.51	322.81	340.71	40.6	40.2	41.0	8.19	8.03	8.31
Transportation Equipment	728.61	691.32	692.19	44.7	43.1	44.6	16.30	16.04	15.52
Motor Vehicles and Equipment	758.46	717.32	719.80	45.2	43.5	45.1	16.78	16.49	15.96
Aircraft and Parts	662.01	633.88	627.40	43.9	42.4	43.6	15.08	14.95	14.39
Instruments and Related Products	390.17	371.52	383.54	40.1	38.7	40.5	9.73	9.60	9.47
Measuring and Controlling Devices	376.53	363.84	379.69	39.1	37.9	39.8	9.63	9.60	9.54
Nondurable Goods[g]	495.10	478.06	473.10	42.1	41.0	41.5	11.76	11.66	11.40
Food and Kindred Products	468.71	445.61	454.69	41.7	40.4	41.6	11.24	11.03	10.93
Dairy Products	488.42	477.00	459.19	43.3	42.4	42.4	11.28	11.25	10.83
Preserved Fruits and Vegetables	482.00	453.18	463.32	40.2	39.0	40.5	11.99	11.62	11.44
Bakery Products	499.32	483.34	463.97	40.3	39.2	38.6	12.39	12.33	12.02
Apparel and Other Textile Products	326.42	304.72	297.38	40.2	37.9	37.5	8.12	8.04	7.93
Paper and Allied Products	518.75	493.85	486.21	44.3	42.5	42.8	11.71	11.62	11.36
Paperboard Containers and Boxes	463.76	412.70	423.90	44.0	40.5	41.6	10.54	10.19	10.19
Miscellaneous Converted Paper Products	472.19	427.52	425.46	43.4	40.6	42.0	10.88	10.53	10.13
Printing and Publishing	467.67	458.25	446.18	39.7	39.2	38.9	11.78	11.69	11.47
Newspapers	385.39	376.49	381.48	33.6	33.2	34.0	11.47	11.34	11.22
Commercial Printing	457.00	457.41	437.10	40.3	40.3	39.7	11.34	11.35	11.01
Chemicals and Allied Products	610.85	610.42	574.67	43.2	43.2	42.1	14.14	14.13	13.65
Plastics Materials and Synthetics	697.77	706.50	659.00	44.7	45.0	43.7	15.61	15.70	15.08
Rubber and Miscellaneous Plastics Products	461.00	434.42	450.71	42.1	40.6	42.6	10.95	10.70	10.58
Tires and Inner Tubes	763.96	655.50	696.76	47.1	42.4	45.9	16.22	15.46	15.18
Miscellaneous Plastics Products	442.62	424.04	438.60	41.6	40.5	42.5	10.64	10.47	10.32
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	619.06	624.31	577.13	41.8	41.9	40.7	14.81	14.90	14.18
Communications	559.32	568.50	552.00	39.5	39.7	40.0	14.16	14.32	13.80
Electric, Gas, and Sanitary Services	688.86	688.20	607.36	44.5	44.4	41.6	15.48	15.50	14.60
Wholesale Trade	416.30	411.84	402.34	39.2	39.0	39.1	10.62	10.56	10.29
Wholesale Trade-Durable Goods	412.65	405.99	391.17	39.3	39.0	39.0	10.50	10.41	10.03
Motor Vehicles, Parts, and Supplies	356.64	350.42	337.61	37.9	37.2	37.1	9.41	9.42	9.10
Metals and Minerals, Except Petroleum	469.83	459.20	454.12	41.8	41.0	42.6	11.24	11.20	10.66
Wholesale Trade-Nondurable Goods	423.84	422.67	421.01	39.1	39.1	39.2	10.84	10.81	10.74

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

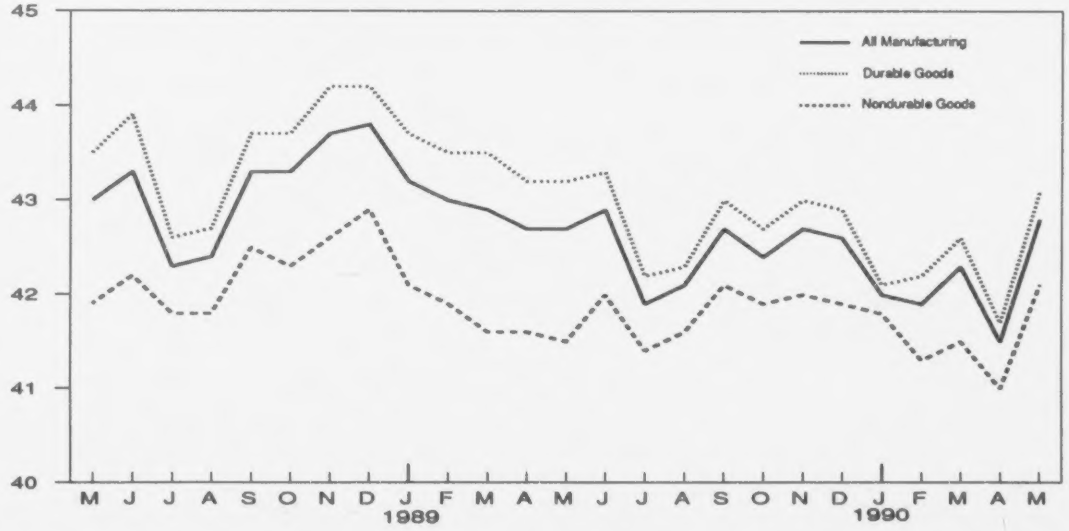
Not Seasonally Adjusted

Ohio (continued)

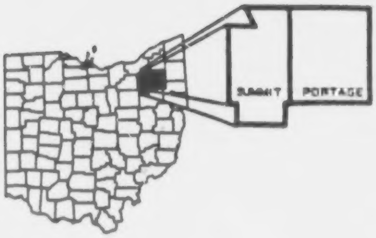
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Retail Trade[i]	$178.79	$178.08	$174.17	28.2	28.0	28.6	$6.34	$6.36	$6.09
General Merchandise Stores	192.19	189.89	181.48	28.6	28.3	28.4	6.72	6.71	6.39
Department Stores	195.73	192.72	188.14	29.7	28.3	28.9	6.82	6.81	6.51
Finance, Insurance, and Real Estate	352.97	353.02	339.90	....	....	....	.....	.....	.....
Finance	326.41	326.51	317.13	....	....	....	.....	.....	.....
Depository Institutions	279.03	279.42	271.02	....	....	....	.....	.....	.....
Commercial Banks	276.18	276.89	269.74	....	....	....	.....	.....	.....
Insurance	418.97	417.87	400.77	....	....	....	.....	.....	.....
Insurance Carriers	407.05	406.28	388.64	....	....	....	.....	.....	.....
Life Insurance	383.47	381.98	362.83	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	435.58	435.29	411.20	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	242.31	237.96	211.40	32.7	32.2	31.6	7.41	7.39	6.69
Health Services	311.26	311.61	297.95	31.6	31.7	31.9	9.85	9.83	9.34
Nursing and Personal Care Facilities	208.88	209.24	192.78	31.6	31.8	31.5	6.61	6.58	6.12
Hospitals	364.50	366.77	348.08	32.2	32.4	32.5	11.32	11.32	10.71
Engineering and Management Services	492.25	501.88	452.09	35.8	35.9	35.1	13.75	13.98	12.88
Engineering and Architectural Services	689.98	690.90	629.32	33.3	32.9	31.8	20.72	21.00	19.79
Research and Testing Services	379.41	381.22	350.81	36.1	36.1	35.4	10.51	10.56	9.91

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [f] Includes miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



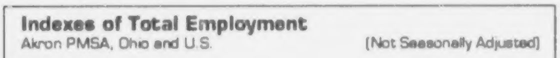
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



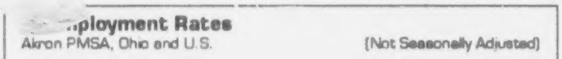
In the Akron metropolitan area, nonfarm payroll employment totaled 293,400 in May 1990, up 4,300 from the April level. Employment in service-producing industries increased 3,600. Most of the gain occurred in services, especially amusements, including motion pictures. More business in construction raised employment in goods-producing industries 700 over the month to 78,700. Manufacturing production workers averaged $11.80 per hour, 19 cents higher than April. Their average workweek of 42.3 hours was 1.0 hours longer.

Nonagricultural wage and salary employment advanced 8,600 between May 1989 and May 1990. The improvement was concentrated in service-producing industries. Leading areas of expansion were services (+4,600) and retail trade (+2,100). The number of workers in goods-producing industries was unchanged from the year-ago level as a reduction in manufacturing negated growth in construction. Declines in durable-goods manufacturing, particularly transportation equipment, more than offset a slight increase in rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Akron area increased 1,000 from April to 290,000 in May 1990 due to slight gains in service-producing industries, especially services. Since May 1989, total payroll employment advanced 8,000. Noteworthy growth occurred in services and retail trade. Wholesale trade, finance, insurance, and real estate, and government each added 1,000.



Indexes of Total Employment
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]



[illegible]ployment Rates
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Akron PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers	Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
332.8	316.2	16.6	5.0	May	284.9	68.1	40.0	495.32	42.7	11.60
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
332.3	314.9	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
INA	INA	INA	INA	May	293.4	67.6	38.6	499.14	42.3	11.80

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
282	78	10	68	May	203	13	15	55	10	66	44
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	79	10	67	May	212	13	16	57	11	70	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	293.4	289.2	284.9	4.3	8.6
Goods-Producing Industries[e]	78.7	78.0	78.6	.7	.0
Construction	10.5	9.9	10.0	.6	.5
Manufacturing	67.6	67.5	68.1	.0	-.5
Durable Goods[f]	34.5	34.5	35.1	.1	-.6
Fabricated Metal Products	11.1	11.0	11.1	.1	-.1
Fabricated Structural Metal Products	4.7	4.8	4.8	-.1	-.1
Industrial Machinery and Equipment	10.1	10.0	10.2	.0	-.1
Metalworking Machinery	3.9	3.9	3.9	.0	.0
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.9	4.9	5.3	.0	-.4
Nondurable Goods[g]	33.0	33.1	32.9	.0	.1
Food and Kindred Products	3.0	3.1	3.0	-.1	.0
Chemicals and Allied Products	3.7	3.6	3.7	.0	.0
Rubber and Miscellaneous Plastics Products	20.5	20.5	20.2	.0	.3
Tires and Inner Tubes	11.4	11.4	11.2	.0	.3
Service-Producing Industries	214.7	211.2	206.2	3.6	8.5
Transportation and Public Utilities	13.5	13.4	13.1	.1	.4
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	15.9	15.8	15.4	.1	.5
Retail Trade	57.1	56.4	55.0	.7	2.1
General Merchandise Stores	7.7	7.7	7.3	.0	.4
Food Stores	9.1	9.0	9.0	.1	.1
Finance, Insurance, and Real Estate	10.6	10.5	10.4	.1	.2
Finance	5.4	5.4	5.3	.1	.1
Services	70.6	68.5	66.0	2.1	4.6
Business Services	11.9	11.7	10.9	.2	1.0
Personnel Supply Services	3.2	3.2	3.0	.0	.3
Amusements, Including Motion Pictures	7.7	6.3	6.2	1.4	1.5
Health Services	22.0	22.0	21.1	.1	.9
Nursing and Personal Care Facilities	3.9	3.9	3.6	.0	.3
Hospitals	11.0	11.0	10.6	.0	.3
Social Services	4.8	4.7	4.7	.1	.1
Engineering and Management Services	5.2	5.2	4.9	.1	.3
Government	47.0	46.6	46.4	.4	.6
Federal Government	2.8	2.6	2.4	.1	.3
State Government	17.4	17.5	17.1	-.1	.3
State Government Education[h]	14.6	14.7	14.2	-.1	.3
Local Government	26.9	26.5	26.8	.4	.0
Local Government Education	14.7	14.5	14.7	.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

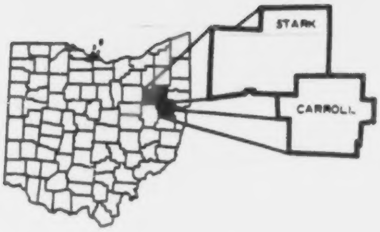
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$499.14	$479.49	$495.32	42.3	41.3	42.7	$11.80	$11.61	$11.60
Durable Goods[f]	500.91	486.80	511.60	42.2	41.5	43.1	11.87	11.73	11.87
Fabricated Metal Products	598.58	573.65	651.35	41.8	40.8	44.4	14.32	14.06	14.67
Fabricated Structural Metal Products	497.54	488.78	452.38	42.2	42.1	41.2	11.79	11.61	10.98
Industrial Machinery and Equipment	461.78	461.78	453.58	43.4	43.4	44.6	10.64	10.64	10.17
Metalworking Machinery	493.95	489.28	490.95	44.3	44.0	45.5	11.15	11.12	10.79
Electronic and Other Electric Equipment	409.66	414.53	389.42	40.4	40.6	39.9	10.14	10.21	9.76
Transportation Equipment	617.02	583.23	604.73	42.7	40.7	42.2	14.45	14.33	14.33
Nondurable Goods[g]	497.25	468.31	472.78	42.5	40.9	42.1	11.70	11.45	11.23
Food and Kindred Products	380.60	368.45	412.86	39.4	38.5	42.0	9.66	9.57	9.83
Chemicals and Allied Products	539.40	553.96	499.66	43.5	44.0	41.5	12.40	12.59	12.04
Rubber and Miscellaneous Plastics Products	514.04	463.09	489.19	43.6	41.2	43.6	11.79	11.24	11.22
Tires and Inner Tubes	891.79	787.77	818.06	51.4	47.2	49.7	17.35	16.69	16.46
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	602.12	605.46	584.44	41.1	41.3	41.1	14.65	14.66	14.22
Wholesale Trade	362.23	359.66	347.70	36.7	36.7	36.6	9.87	9.80	9.50
Retail Trade[i]	212.83	214.83	215.49	30.8	30.3	32.6	6.91	7.09	6.61
General Merchandise Stores	201.23	198.24	215.50	29.9	29.5	32.8	6.73	6.72	6.57
Food Stores	312.84	310.74	328.37	36.0	35.8	37.4	8.69	8.68	8.78
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	283.96	281.93	276.55	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

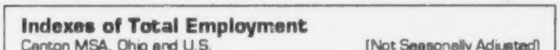
CANTON
METROPOLITAN STATISTICAL AREA

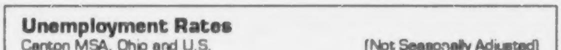


Total nonfarm payroll employment in the Canton metropolitan area rose 2,200 above the April level to 167,800 in May 1990. Employment in service-producing industries advanced 1,200 due to slight gains in retail trade, services, and local government. An increase in durable-goods manufacturing due to the settlement of a labor-management dispute in primary metal industries and more business in construction raised goods-producing industries 1,100 over the month to 53,100. Factory production workers averaged $11.38 per hour, up 6 cents from April. Their average workweek of 42.2 hours was 0.3 hours longer.

Nonagricultural wage and salary employment advanced 3,000 between May 1989 and May 1990. The growth was concentrated in the service-producing sector. Leading areas of expansion were retail trade and services. The number of jobs in goods-producing industries declined 1,000 during the period. Reductions in manufacturing, especially fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products negated modest improvement in construction.

Seasonally adjusted employment in the Canton area was unchanged from April at 167,000 in May 1990. An increase in manufacturing was counterbalanced by a decline in construction. Since May 1989, total payroll employment increased 3,000. Improvements were posted in retail trade, wholesale trade, services, and government.





Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
193.3	182.0	11.2	5.8	May	164.7	46.2	33.2	470.82	42.0	11.21
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.5	179.9	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
INA	INA	INA	INA	May	167.8	44.7	31.0	480.24	42.2	11.38

INA – information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	54	7	46	May	110	6	8	32	7	38	19
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	167.8	165.5	164.7	2.2	3.0
Goods-Producing Industries[e]	53.1	52.0	54.1	1.1	-1.0
Construction	7.6	7.2	7.1	.4	.5
Manufacturing	44.7	44.1	46.2	.6	-1.5
Durable Goods[f]	33.3	32.6	34.4	.7	-1.1
Primary Metal Industries	11.3	10.6[j]	11.9	.7	-.6
Fabricated Metal Products	5.7	5.9	6.4	-.1	-.7
Electronic and Other Electric Equipment	4.1	4.1	4.1	.0	.0
Nondurable Goods[g]	11.4	11.5	11.8	.0	-.4
Food and Kindred Products	3.2	3.2	3.3	-.1	-.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.1	.0	-.3
Service-Producing Industries	114.7	113.5	110.7	1.2	4.0
Transportation and Public Utilities	5.7	5.6	5.7	.1	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.6	8.5	8.5	.1	.1
Retail Trade	33.9	33.4	32.3	.5	1.6
General Merchandise Stores	4.0	4.0	4.0	.0	.0
Food Stores	5.6	5.5	5.4	.1	.2
Finance, Insurance, and Real Estate	6.8	6.8	6.8	.0	.0
Finance	3.9	4.0	3.9	.0	.0
Services	39.7	39.4	38.1	.2	1.6
Health Services	16.0	15.9	15.6	.1	.4
Nursing and Personal Care Facilities	3.8	3.8	3.7	.0	.1
Hospitals	7.4	7.4	7.4	.0	.0
Government	20.2	19.9	19.4	.2	.8
Federal Government	1.6	1.5	1.4	.1	.2
State Government (Includes Education)	1.7	1.8	1.7	.0	.0
Local Government	16.8	16.6	16.2	.2	.6
Local Government Education	10.2	10.1	9.9	.1	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

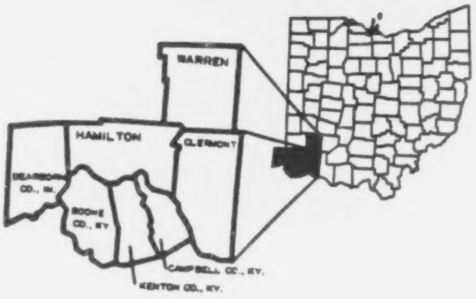
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$480.24	$474.31	$470.82	42.2	41.9	42.0	$11.38	$11.32	$11.21
Durable Goods[f]	498.85	499.05	497.94	42.6	42.8	43.0	11.71	11.66	11.58
Primary Metal Industries	550.80	555.41	533.61	45.0	45.6	46.2	12.24	12.18	11.55
Fabricated Metal Products	443.00	469.40	466.49	39.1	40.5	39.6	11.33	11.59	11.78
Electronic and Other Electric Equipment	499.29	520.65	514.04	37.4	39.0	39.3	13.35	13.35	13.08
Nondurable Goods[g]	424.97	399.06	388.05	41.1	39.2	39.0	10.34	10.18	9.95
Food and Kindred Products	445.40	419.44	414.72	40.9	39.2	38.4	10.89	10.70	10.80
Rubber and Miscellaneous Plastics Products	417.35	390.02	396.76	42.5	40.5	41.2	9.82	9.63	9.63
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	574.86	568.26	568.40	40.2	39.6	40.6	14.30	14.35	14.00
Wholesale Trade	392.03	381.70	377.48	38.7	38.4	37.9	10.13	9.94	9.96
Retail Trade[i]	174.75	173.85	163.56	28.6	28.5	28.2	6.11	6.10	5.80
General Merchandise Stores	187.78	191.40	191.24	28.8	29.0	30.5	6.52	6.60	6.27
Food Stores	166.32	159.94	159.57	28.0	27.2	27.8	5.94	5.88	5.74
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	183.20	185.38	169.64	29.5	29.9	29.4	6.21	6.20	5.77

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

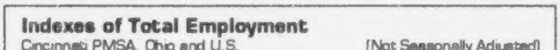
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

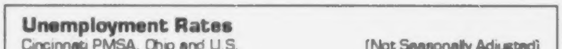


Nonagricultural payroll employment in the Cincinnati metropolitan area totaled 752,400 in May 1990, up 7,600 from the April level. Seasonal trends in services, especially amusements, including motion pictures, and in retail trade helped raise the number of employees in service-producing industries 5,700. The workforce in the goods-producing sector increased 1,900 over the month to 185,000 primarily due to more business in construction and scattered improvements in manufacturing. Factory production workers averaged $12.00 per hour, 26 cents higher than April. Their average workweek of 43.4 hours was 1.6 hours longer.

Nonfarm wage and salary employment advanced 29,500 between May 1989 and May 1990. Service-producing industries contributed 81.0 percent of the growth. Leading areas of expansion were retail trade (+9,900) and services (+7,500). Noteworthy gains also occurred in government, wholesale trade, and transportation and public utilities. Over-the-year improvements in manufacturing and construction added 5,600 jobs in goods-producing industries. Moderate growth was posted in transportation equipment, food and kindred products, and printing and publishing.

Seasonally adjusted employment in the Cincinnati area totaled 748,000 in May 1990, up 2,000 from April primarily due to improvements in services and government. Since May 1989, total payroll employment advanced 29,000. Primary growth sectors were retail trade, services, manufacturing, and government.


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
774.2	740.4	33.8	4.4	May	722.9	144.7	91.3	487.90	42.5	11.48
788.3	749.2	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
792.9	759.3	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.6	749.1	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
INA	INA	INA	INA	May	752.4	148.4	92.9	520.80	43.4	12.00

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
719	180	34	145	May	539	39	47	140	43	180	89
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
748	186	36	149	May	563	41	49	150	43	188	92

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	752.4	744.8	722.9	7.6	29.5
Goods-Producing Industries[e]	185.0	183.1	179.4	1.9	5.6
Construction	36.2	34.8	34.3	1.4	1.9
Manufacturing	148.4	147.8	144.7	.5	3.7
Durable Goods[f]	80.5	80.1	78.6	.4	1.9
Fabricated Metal Products	12.2	12.3	12.3	-.1	-.1
Fabricated Structural Metal Products	4.6	4.6	4.4	-.1	.2
Industrial Machinery and Equipment	19.3	19.2	19.2	.1	.1
Electronic and Other Electric Equipment	7.8	7.8	7.8	.0	.0
Transportation Equipment	24.8	24.7	23.6	.2	1.2
Motor Vehicles and Equipment	4.9	4.8	4.9	.1	.0
Instruments and Related Products	3.7	3.6	3.5	.1	.3
Nondurable Goods[g]	67.9	67.7	66.1	.2	1.8
Food and Kindred Products	12.5	12.6	11.7	-.2	.8
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.4	3.3	3.6	.1	-.1
Paper and Allied Products	5.5	5.6	5.8	.0	-.3
Printing and Publishing	14.7	14.5	13.9	.2	.8
Commercial Printing	6.4	6.4	6.1	.0	.3
Chemicals and Allied Products	22.2	22.1	22.1	.1	.1
Rubber and Miscellaneous Plastics Products	6.8	6.8	6.5	.0	.4
Service-Producing Industries	567.4	561.7	543.5	5.7	23.9
Transportation and Public Utilities	40.9	40.6	38.9	.2	1.9
Transportation	24.6	24.3	23.1	.3	1.5
Trucking and Warehousing	11.1	11.0	10.4	.1	.7
Transportation by Air	6.5	6.5	6.0	.0	.5
Communications, Electric, Gas Services	16.3	16.3	15.9	.0	.4
Communications	9.6	9.7	9.7	.0	-.1
Wholesale Trade	49.3	49.2	47.2	.1	2.1
Wholesale Trade-Durable Goods	29.0	29.0	28.1	.0	.9
Retail Trade	150.1	148.4	140.2	1.7	9.9
General Merchandise Stores	22.3	22.2	20.6	.1	1.7
Finance, Insurance, and Real Estate	42.9	42.7	42.7	.2	.2
Finance	17.4	17.3	17.2	.1	.1
Depository Institutions	13.7	13.7	13.5	.0	.2
Commercial Banks	9.5	9.5	9.4	.0	.1
Insurance	17.0	17.0	17.2	.0	-.2
Insurance Carriers	14.2	14.2	14.5	.0	-.2
Life Insurance	6.7	6.7	7.0	.0	-.3
Fire, Marine, and Casualty Insurance	5.2	5.2	5.0	.0	.1
Services	190.0	187.2	182.5	2.8	7.5
Hotels and Other Lodging Places	7.7	7.5	7.4	.3	.3
Personal Services	8.6	9.0	8.1	-.5	.5
Business Services	37.2	36.9	35.4	.3	1.9
Services to Buildings	6.3	6.2	5.8	.1	.4
Computer and Data Processing Services	4.8	4.7	4.3	.0	.5
Amusements, Including Motion Pictures	13.0	11.3	13.0	1.7	.0
Health Services	57.5	57.2	55.2	.4	2.3
Nursing and Personal Care Facilities	11.1	11.0	10.7	.1	.4
Hospitals	27.5	27.3	26.5	.2	1.0
Legal Services	4.5	4.4	4.2	.1	.3
Educational Services	7.0	7.1	7.1	-.1	-.1
Social Services	12.4	12.2	11.7	.1	.6
Residential Care	4.9	4.8	4.6	.0	.3
Engineering and Management Services	16.9	16.7	16.2	.2	.8
Engineering and Architectural Services	5.8	5.7	5.5	.1	.3
Government	94.1	93.5	91.9	.6	2.2
Federal Government	17.2	17.5	16.1	-.3	1.2
State Government	21.3	21.4	20.8	-.1	.5
State Government Education[h]	13.1	13.2	12.8	-.1	.2
Local Government	55.6	54.6	55.0	.9	.5
Local Government Education	31.5	31.0	31.6	.5	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

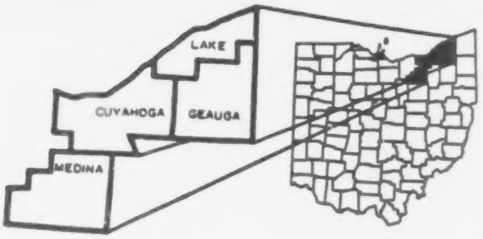
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$520.80	$490.73	$487.90	43.4	41.8	42.5	$12.00	$11.74	$11.48
Durable Goods[f]	521.97	483.42	483.64	43.9	42.0	42.8	11.89	11.51	11.30
Fabricated Metal Products	455.99	412.72	402.27	44.4	42.2	41.6	10.27	9.78	9.67
Fabricated Structural Metal Products	546.11	454.37	436.58	48.2	43.9	41.5	11.33	10.35	10.52
Industrial Machinery and Equipment	470.30	444.70	460.75	42.6	41.1	42.9	11.04	10.82	10.74
Electronic and Other Electric Equipment	399.08	375.05	360.69	42.5	40.9	40.3	9.39	9.17	8.95
Transportation Equipment	804.38	726.64	740.12	47.4	43.8	46.2	16.97	16.59	16.02
Motor Vehicles and Equipment	950.13	826.52	855.85	51.0	46.2	49.3	18.63	17.89	17.36
Instruments and Related Products	390.24	371.78	356.33	43.7	42.2	44.1	8.93	8.81	8.08
Nondurable Goods[g]	519.95	497.17	492.80	42.9	41.5	42.3	12.12	11.98	11.65
Food and Kindred Products	480.70	486.36	502.79	41.8	42.0	42.9	11.50	11.58	11.72
Beverages	584.80	588.82	511.19	43.0	43.2	40.7	13.60	13.63	12.56
Apparel and Other Textile Products	274.00	268.80	232.99	40.0	38.9	37.7	6.85	6.91	6.18
Paper and Allied Products	453.88	429.86	470.67	42.3	40.4	43.5	10.73	10.64	10.82
Printing and Publishing	503.32	492.38	452.31	41.7	41.1	39.4	12.07	11.98	11.48
Commercial Printing	521.89	510.51	469.77	43.6	42.9	41.1	11.97	11.90	11.43
Chemicals and Allied Products	657.98	618.62	585.50	44.7	42.9	42.8	14.72	14.42	13.68
Rubber and Miscellaneous Plastics Products	436.92	397.23	445.06	44.0	40.7	45.6	9.93	9.76	9.76
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	582.40	587.45	581.60	39.7	39.8	40.7	14.67	14.76	14.29
Communications	577.73	586.61	579.28	38.8	38.9	40.2	14.89	15.08	14.41
Wholesale Trade	446.95	439.31	421.29	39.8	39.4	38.9	11.23	11.15	10.83
Retail Trade[i]	176.59	174.22	169.06	28.3	28.1	28.8	6.24	6.20	5.87
General Merchandise Stores	219.55	217.92	201.80	30.2	30.1	30.3	7.27	7.24	6.66
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	300.89	301.48	280.18	....	....	....	.....	.....	.....
Commercial Banks	272.73	273.42	260.78	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	415.61	414.19	397.10	....	....	....	.....	.....	.....
Life Insurance	424.68	423.32	407.87	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	432.45	425.47	400.56	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	432.28	431.31	374.60	32.6	32.7	31.4	13.26	13.19	11.93
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	649.90	660.74	595.63	40.9	41.4	40.3	15.89	15.96	14.78

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

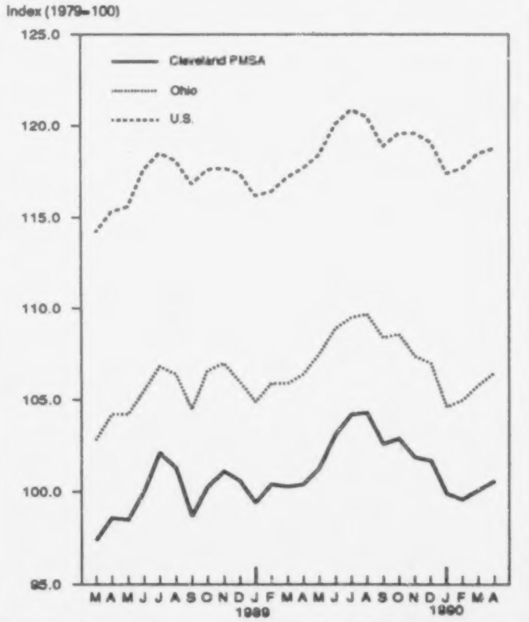


In the Cleveland metropolitan area, nonfarm payroll employment rose 9,900 above the April level to 957,000 in May 1990. Cyclical upturns in retail trade and in services, especially amusements, including motion pictures, increased the workforce in service-producing industries 7,100. Employment in goods-producing industries, at 242,400, was 2,900 higher than last month primarily due to more business in construction. Manufacturing production workers averaged $12.21 per hour, up 22 cents from April. Their average workweek of 43.2 hours was 1.6 hours longer.

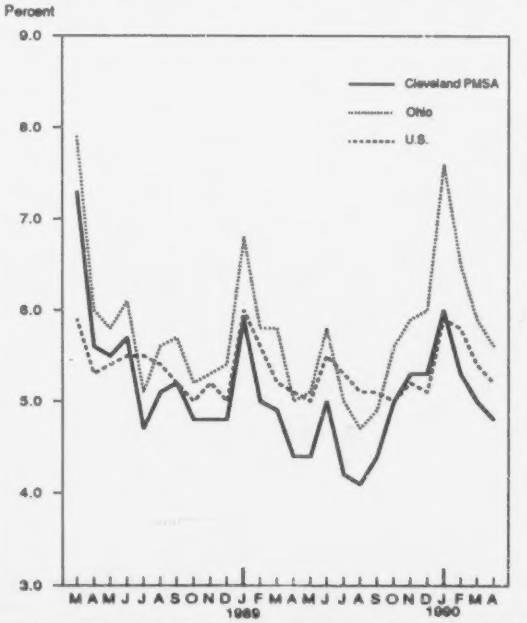
Nonagricultural wage and salary employment advanced 23,300 between May 1989 and May 1990. A major portion of the improvement occurred in service-producing industries. Leading growth sectors were services (+8,600) and retail trade (+6,300). Noteworthy gains were also posted in local government, wholesale trade, finance, insurance, and real estate, and transportation and public utilities. Moderate expansion in construction employment, particularly special trade contractors, increased goods-producing industries 1,200 during the period.

Seasonally adjusted employment in the Cleveland area totaled 955,000 in May 1990, up 1,000 from April due to scattered gains in service-producing industries. Since May 1989, total payroll employment advanced 23,000. Noteworthy expansion was posted in services (+9,000) and retail trade (+6,000).

Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]



Unemployment Rates
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]



Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
942.6	900.7	41.9	4.4	May	933.8	207.1	133.4	511.49	43.2	11.84
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.7	894.8	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
INA	INA	INA	INA	May	957.0	207.0	132.3	527.47	43.2	12.21

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
932	241	33	207	May	691	42	66	158	57	250	118
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
955	242	34	207	May	713	43	68	164	58	259	120

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	957.0	947.1	933.8	9.9	23.3
Goods-Producing Industries[e]	242.4	239.5	241.1	2.9	1.2
Construction	34.5	32.0	33.2	2.6	1.3
Special Trade Contractors	23.5	21.7	22.4	1.8	1.1
Manufacturing	207.0	206.7	207.1	.3	-.2
Durable Goods[f]	141.2	141.4	142.3	-.2	-1.1
Stone, Clay, and Glass Products	3.8	3.7	3.6	.0	.1
Primary Metal Industries	21.0	20.9	21.4	.1	-.4
Iron and Steel Foundries	4.4	4.5	4.7	.0	-.2
Fabricated Metal Products	34.3	34.2	34.2	.1	.1
Screw Machine Products, Bolts, etc	5.0	4.9	5.2	.0	-.3
Metal Forgings and Stampings	10.9	11.0	11.0	-.1	-.1
Industrial Machinery and Equipment	33.1	33.3	33.7	-.2	-.6
Metalworking Machinery	12.9	13.0	13.0	-.1	-.1
Electronic and Other Electric Equipment	15.3	15.3	15.4	.0	.0
Electrical Industrial Apparatus	4.2	4.2	4.4	.0	-.1
Electric Lighting and Wiring Equipment	5.3	5.2	5.2	.0	.1
Transportation Equipment	19.4	19.5	19.7	-.1	-.3
Motor Vehicles and Equipment	12.2	12.3	12.4	-.1	-.2
Instruments and Related Products	7.0	7.0	7.2	.0	-.2
Measuring and Controlling Devices	5.0	5.0	4.9	.0	.1
Nondurable Goods[g]	65.7	65.3	64.8	.5	.9
Food and Kindred Products	6.6	6.6	6.6	.0	.0
Apparel and Other Textile Products	3.2	3.2	3.3	.0	-.1
Paper and Allied Products	5.8	5.8	5.9	.0	-.1
Printing and Publishing	17.2	17.1	16.6	.1	.5
Chemicals and Allied Products	14.8	14.7	14.6	.1	.1
Rubber and Miscellaneous Plastics Products	12.2	12.0	11.9	.2	.4
Miscellaneous Plastics Products	7.9	7.7	7.1	.2	.8
Service-Producing Industries	714.7	707.6	692.6	7.1	22.0
Transportation and Public Utilities	43.0	42.6	42.0	.4	1.0
Transportation	25.8	25.4	24.5	.5	1.3
Trucking and Warehousing	11.5	11.3	11.3	.2	.2
Transportation by Air	5.3	5.3	4.8	.1	.5
Communications, Electric, Gas Services	17.2	17.3	17.5	-.1	-.3
Communications	10.1	10.2	10.4	-.1	-.3
Electric, Gas, and Sanitary Services	7.1	7.1	7.2	.0	.0
Wholesale Trade	68.4	67.9	66.0	.4	2.4
Wholesale Trade-Durable Goods	46.6	46.3	45.1	.3	1.5
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	.1	-.1
Professional and Commercial Equipment	9.1	9.2	9.0	-.1	.1
Retail Trade	163.7	161.1	157.4	2.6	6.3
General Merchandise Stores	20.9	20.7	20.1	.2	.8
Finance, Insurance, and Real Estate	57.8	57.3	56.5	.4	1.2
Finance	28.0	27.9	27.5	.1	.5
Depository Institutions	20.7	20.6	20.3	.1	.4
Commercial Banks	13.0	13.0	12.8	.0	.2
Insurance	18.7	18.5	18.4	.1	.3
Insurance Carriers	14.1	14.0	13.9	.1	.2
Fire, Marine, and Casualty Insurance	6.4	6.4	6.3	.0	.2
Services	260.5	258.0	251.9	2.6	8.6
Business Services	54.4	53.7	51.1	.7	3.3
Personnel Supply Services	20.8	20.3	19.3	.4	1.5
Computer and Data Processing Services	6.9	6.8	6.4	.1	.6
Amusements, Including Motion Pictures	12.2	11.0	12.4	1.2	-.3
Health Services	79.4	79.2	77.9	.2	1.5
Nursing and Personal Care Facilities	13.6	13.5	13.2	.1	.4
Hospitals	43.7	43.7	43.5	.0	.3
Legal Services	9.7	9.6	9.3	.1	.4
Educational Services	18.8	19.0	18.7	-.1	.1
Social Services	13.9	13.9	13.2	.1	.8
Residential Care	3.8	3.7	3.5	.1	.3
Engineering and Management Services	21.8	21.7	20.8	.1	.9
Engineering and Architectural Services	8.1	8.0	7.6	.1	.5
Accounting, Auditing, and Bookkeeping	6.4	6.5	6.4	-.1	.0
Management and Public Relations	4.6	4.6	4.3	.0	.4
Government	121.3	120.6	118.7	.7	2.6
Federal Government	20.6	20.4	20.7	.2	-.1
State Government	7.8	8.2	8.0	-.4	-.1
State Government Education[h]	2.9	3.1	3.1	-.2	-.1
Local Government	92.8	92.0	90.0	.8	2.8
Local Government Education	48.0	47.8	46.7	.3	1.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

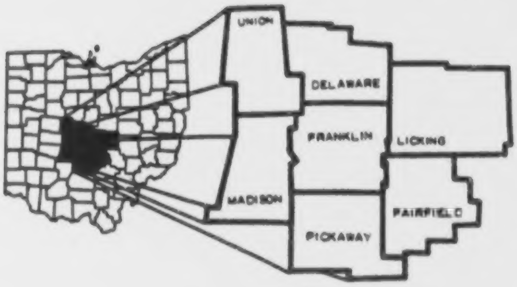
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$527.47	$498.78	$511.49	43.2	41.6	43.2	$12.21	$11.99	$11.84
Durable Goods[f]	564.04	531.29	542.52	44.1	42.3	44.0	12.79	12.56	12.33
Stone, Clay, and Glass Products	512.66	494.27	477.43	42.9	41.5	41.3	11.95	11.91	11.56
Primary Metal Industries	565.90	532.82	554.02	45.2	42.9	45.3	12.52	12.42	12.23
Iron and Steel Foundries	950.90	904.80	917.45	50.1	48.0	51.6	18.98	18.85	17.78
Fabricated Metal Products	556.77	521.25	550.29	43.6	41.6	44.2	12.77	12.53	12.45
Screw Machine Products, Bolts, etc.	556.96	489.76	565.65	44.7	41.4	45.0	12.46	11.83	12.57
Metal Forgings and Stampings	709.15	664.66	676.01	45.4	43.3	45.4	15.62	15.35	14.89
Industrial Machinery and Equipment	573.02	534.26	523.18	46.1	43.9	44.3	12.43	12.17	11.81
Metalworking Machinery	564.33	558.10	524.92	46.6	46.2	44.0	12.11	12.08	11.93
Electronic and Other Electric Equipment	420.16	416.64	431.76	40.4	40.1	42.0	10.40	10.39	10.28
Electrical Industrial Apparatus	459.88	409.82	449.98	43.1	40.1	43.9	10.67	10.22	10.25
Electric Lighting and Wiring Equipment	367.29	367.78	381.02	37.1	37.0	39.2	9.90	9.94	9.72
Transportation Equipment	752.30	695.84	720.56	44.7	42.3	44.7	16.83	16.45	16.12
Motor Vehicles and Equipment	846.85	766.55	810.98	46.2	42.8	46.0	18.33	17.91	17.63
Instruments and Related Products	451.52	429.60	404.74	41.5	40.0	41.3	10.88	10.74	9.80
Measuring and Controlling Devices	447.98	441.86	450.92	40.8	40.5	42.3	10.98	10.91	10.66
Nondurable Goods[g]	440.43	420.40	430.91	41.2	40.0	41.0	10.69	10.51	10.51
Food and Kindred Products	449.84	428.06	473.06	40.2	39.2	43.4	11.19	10.92	10.90
Apparel and Other Textile Products	364.22	367.84	365.77	37.9	38.0	38.3	9.61	9.68	9.55
Paper and Allied Products	522.27	469.54	473.76	44.6	41.7	42.3	11.71	11.26	11.20
Printing and Publishing	384.92	383.03	367.16	37.7	37.7	37.2	10.21	10.16	9.87
Chemicals and Allied Products	541.88	533.39	545.49	42.5	41.9	43.5	12.75	12.73	12.54
Rubber and Miscellaneous Plastics Products	376.80	350.07	376.00	42.1	40.1	42.2	8.95	8.73	8.91
Miscellaneous Plastics Products	382.02	356.81	385.20	42.4	40.5	42.8	9.01	8.81	9.00
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	513.07	490.64	489.96	36.7	35.4	36.0	13.98	13.86	13.61
Communications, Electric, Gas Services	622.40	623.78	615.45	40.6	40.4	41.5	15.33	15.44	14.83
Wholesale Trade	458.20	455.90	445.28	39.5	39.2	39.9	11.60	11.63	11.16
Retail Trade[i]	190.58	189.61	183.58	27.7	27.4	27.4	6.88	6.92	6.70
General Merchandise Stores	187.25	186.87	187.25	27.7	27.4	27.7	6.76	6.82	6.76
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	324.28	322.76	324.24	....	....	....	.....	.....	.....
Depository Institutions	298.58	297.34	300.00	....	....	....	.....	.....	.....
Commercial Banks	290.61	291.45	301.50	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	332.41	333.78	318.15	31.3	31.4	31.1	10.62	10.63	10.23
Nursing and Personal Care Facilities	242.76	245.28	212.80	33.3	33.6	32.0	7.29	7.30	6.65
Hospitals	363.87	363.87	349.45	30.5	30.5	30.6	11.93	11.93	11.42

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

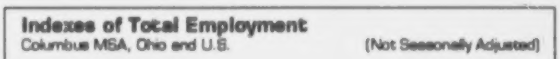
COLUMBUS
METROPOLITAN STATISTICAL AREA



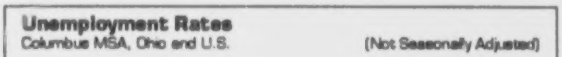
Nonfarm payroll employment in the Columbus metropolitan area totaled 726,600 in May 1990, up 6,900 from the April level. More business in retail trade and services raised employment in the service-producing sector 5,100. The number of employees in goods-producing industries increased 1,800 over the month to 136,500 due to a seasonal upturn in construction. Manufacturing production workers averaged $12.35 per hour, 9 cents higher than April. Their average workweek was 0.9 hours longer at 41.8 hours.

Nonagricultural wage and salary employment advanced 25,000 between May 1989 and May 1990. Gains in service-producing industries contributed 92.0 percent of the change. Primary growth sectors were services (+8,900) and retail trade (+7,400). Noteworthy increases were also posted in state and local government, wholesale trade, and finance, insurance, and real estate. The workforce in goods-producing industries added 2,100 jobs during the period due to modest expansion in construction and in manufacturing. Improvements occurred in transportation equipment, stone, clay, and glass products, and food and kindred products.

Seasonally adjusted employment in the Columbus area totaled 724,000 in May 1990, up 3,000 from April. Slight increases were recorded in manufacturing and services. Since May 1989, total payroll employment advanced 25,000. Notable growth was registered in services, retail trade, and government.



Indexes of Total Employment
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Columbus MSA, Ohio and U.S. (Not Seasonally Adjusted)

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
725.7	693.6	32.1	4.4	May	701.6	104.4	68.9	493.90	41.4	11.93
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.54	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.0	694.7	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
INA	INA	INA	INA	May	726.6	105.2	70.4	516.23	41.8	12.35

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
699	135	29	105	May	564	31	37	143	60	170	125
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	106	May	587	32	38	150	61	179	128

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	726.6	719.7	701.6	6.9	25.0
Goods-Producing Industries[e]	136.5	134.7	134.5	1.8	2.1
Construction	30.5	29.0	29.3	1.4	1.2
Manufacturing	105.2	104.8	104.4	.4	.8
Durable Goods[f]	66.3	66.1	65.8	.1	.5
Stone, Clay, and Glass Products	10.0	10.0	9.7	.0	.3
Glass and Glassware, Pressed or Blown	3.5	3.6	3.4	-.1	.1
Fabricated Metal Products	10.0	10.0	9.8	.0	.1
Industrial Machinery and Equipment	9.9	9.7	9.8	.1	.0
Electronic and Other Electric Equipment	9.1	9.1	9.3	.0	-.2
Transportation Equipment	14.3	14.2	13.8	.1	.5
Motor Vehicles and Equipment	13.3	13.3	13.0	.0	.3
Instruments and Related Products	4.7	4.8	4.7	-.1	.0
Nondurable Goods[g]	38.9	38.7	38.6	.3	.3
Food and Kindred Products	10.8	10.7	10.5	.1	.3
Dairy Products	4.2	4.1	3.9	.1	.3
Printing and Publishing	10.9	10.8	10.7	.1	.2
Chemicals and Allied Products	6.9	6.8	6.8	.1	.1
Rubber and Miscellaneous Plastics Products	6.1	6.2	6.1	-.1	.1
Service-Producing Industries	590.1	585.0	567.2	5.1	23.0
Transportation and Public Utilities	31.3	31.2	30.6	.0	.6
Transportation	19.1	18.9	18.3	.2	.8
Trucking and Warehousing	13.6	13.5	12.8	.1	.9
Communications, Electric, Gas Services	12.2	12.3	12.3	-.1	-.2
Communications	7.6	7.7	7.7	-.1	-.2
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	38.2	37.8	36.8	.4	1.4
Wholesale Trade-Durable Goods	24.8	24.5	23.9	.3	.9
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	.1	.0
Machinery, Equipment, and Supplies	5.7	5.6	5.4	.1	.3
Wholesale Trade-Nondurable Goods	13.4	13.3	12.9	.1	.5
Retail Trade	150.1	147.8	142.7	2.3	7.4
General Merchandise Stores	21.1	21.0	20.4	.1	.7
Food Stores	17.1	17.0	16.2	.1	.8
Automotive Dealers and Service Stations	14.9	14.7	14.2	.2	.7
Finance, Insurance, and Real Estate	60.7	60.4	59.4	.3	1.3
Finance	23.8	23.7	23.4	.0	.3
Depository Institutions	14.3	14.3	14.2	.0	.1
Commercial Banks	12.1	12.1	11.6	.0	.4
Insurance	28.0	27.9	27.4	.1	.6
Insurance Carriers	24.0	24.0	23.4	.0	.6
Services	179.5	177.8	170.5	1.7	8.9
Business Services	38.1	37.6	35.6	.5	2.5
Personnel Supply Services	13.9	13.7	12.6	.2	1.4
Health Services	46.1	46.0	43.9	.1	2.2
Nursing and Personal Care Facilities	8.2	8.2	8.0	.1	.2
Hospitals	21.4	21.4	20.3	.0	1.1
Legal Services	4.6	4.5	4.4	.1	.2
Educational Services	7.6	8.3	7.1	-.7	.5
Social Services	12.7	12.7	12.1	.0	.6
Engineering and Management Services	18.2	18.1	17.5	.1	.7
Engineering and Architectural Services	4.5	4.5	4.4	.0	.1
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	-.1	.1
Research and Testing Services	6.3	6.2	6.1	.1	.3
Government	130.4	130.1	127.1	.3	3.3
Federal Government	16.9	16.7	16.1	.3	.8
State Government	57.1	56.9	55.7	.1	1.3
State Government Education[h]	23.9	23.9	23.8	.0	.1
Local Government	56.4	56.5	55.3	-.1	1.1
Local Government Education	34.1	34.4	33.4	-.3	.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

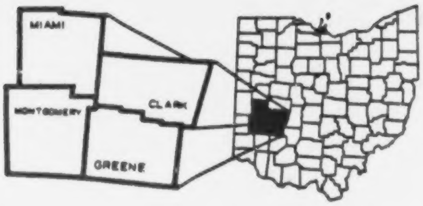
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$516.23	$501.43	$493.90	41.8	40.9	41.4	$12.35	$12.26	$11.93
Durable Goods[f]	527.52	517.06	506.27	41.8	41.2	41.6	12.62	12.55	12.17
Stone, Clay, and Glass Products	514.61	511.20	510.18	42.6	42.6	42.8	12.08	12.00	11.92
Glass and Glassware, Pressed or Blown	455.26	469.53	446.87	41.5	42.3	41.3	10.97	11.10	10.82
Fabricated Metal Products	533.79	525.75	500.60	41.8	41.3	40.6	12.77	12.73	12.33
Industrial Machinery and Equipment	486.30	469.13	467.98	40.9	40.2	40.8	11.89	11.67	11.47
Electronic and Other Electric Equipment	490.45	478.00	464.71	40.6	39.9	40.2	12.08	11.98	11.56
Transportation Equipment	631.31	627.97	600.38	43.3	43.1	42.4	14.58	14.57	14.16
Motor Vehicles and Equipment	635.21	630.98	606.32	43.3	43.1	42.4	14.67	14.64	14.30
Instruments and Related Products	423.20	394.11	431.58	40.0	38.3	40.6	10.58	10.29	10.63
Nondurable Goods[g]	490.88	472.64	466.34	41.6	40.5	40.8	11.80	11.67	11.43
Food and Kindred Products	428.69	405.34	419.00	41.3	39.7	41.2	10.38	10.21	10.17
Dairy Products	598.44	579.15	553.93	44.1	42.9	41.4	13.57	13.50	13.38
Printing and Publishing	554.61	539.97	539.97	39.9	39.1	39.5	13.90	13.81	13.67
Chemicals and Allied Products	665.52	649.09	596.14	43.9	43.1	42.1	15.16	15.06	14.16
Rubber and Miscellaneous Plastics Products	402.06	374.85	365.79	42.1	40.7	41.1	9.55	9.21	8.90
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	462.35	455.68	410.52	35.0	34.6	31.7	13.21	13.17	12.95
Communications, Electric, Gas Services	661.15	664.78	579.36	43.1	43.0	40.8	15.34	15.46	14.20
Communications	578.39	587.85	567.42	39.4	39.4	40.3	14.68	14.92	14.08
Electric, Gas, and Sanitary Services	799.65	797.04	597.60	49.3	49.2	41.5	16.22	16.20	14.40
Wholesale Trade	403.97	398.70	389.89	38.4	38.3	38.3	10.52	10.41	10.18
Retail Trade[i]	181.82	183.54	181.33	27.3	27.6	28.2	6.66	6.65	6.43
General Merchandise Stores	201.92	206.07	193.40	28.4	28.7	28.4	7.11	7.18	6.81
Food Stores	187.87	200.79	185.24	26.8	28.4	26.5	7.01	7.07	6.99
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	453.25	453.45	413.41	....	....	....	.....	.....	.....
Depository Institutions	294.57	293.97	276.10	....	....	....	.....	.....	.....
Commercial Banks	290.78	290.78	274.51	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	229.12	230.95	211.84	32.0	32.3	32.0	7.16	7.15	6.62
Hospitals	410.21	409.86	367.41	34.5	34.5	33.8	11.89	11.88	10.87
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	509.67	501.56	464.44	40.1	39.4	38.8	12.71	12.73	11.97

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

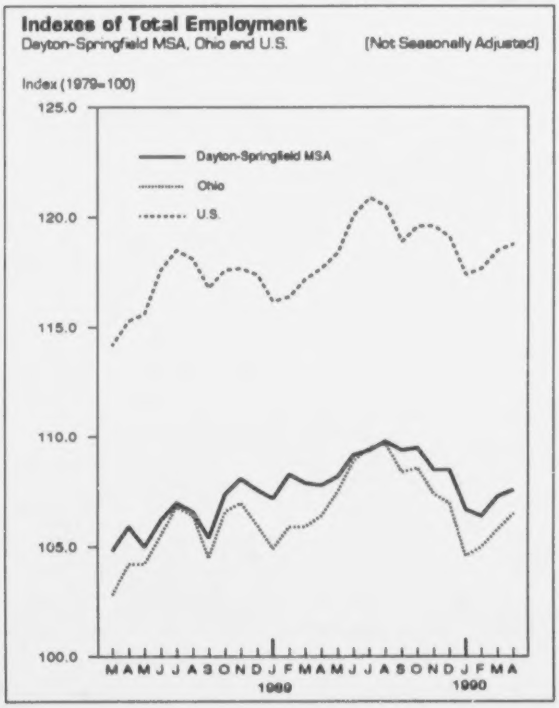
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

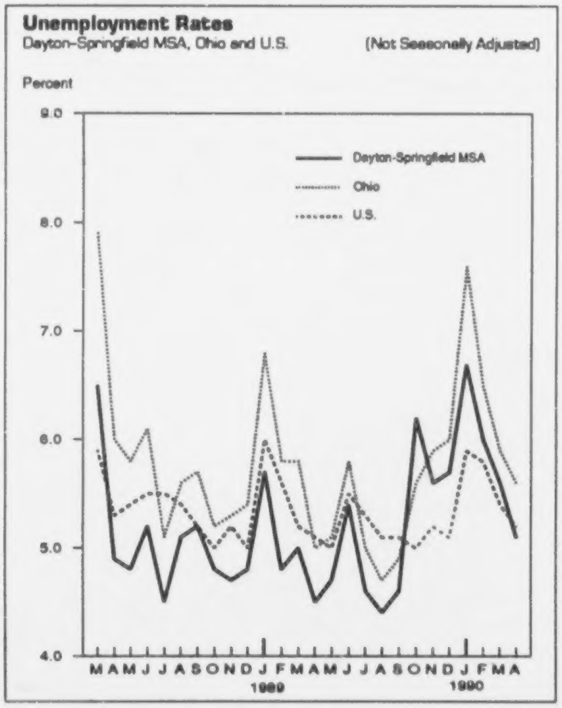


Nonagricultural payroll employment in the Dayton-Springfield metropolitan area rose 2,900 above the April level to 459,000 in May 1990. Employment in service-producing industries increased 1,600. Improvements in retail trade and local government more than offset a seasonal downturn in services, especially educational services. More business in construction and scattered gains in manufacturing raised employment in goods-producing industries 1,300 over the month to 123,100. Factory production workers averaged $13.55 per hour, up 43 cents from April. Their average workweek of 43.0 hours was 1.9 hours longer.

Nonfarm wage and salary employment advanced 10,600 between May 1989 and May 1990. The growth was concentrated in the service-producing sector. Leading areas of expansion were services, retail trade, and government. Moderate increases also were posted in transportation and public utilities and in wholesale trade. Employment in goods-producing industries increased slightly as modest expansion in construction counterbalanced over-the-year reductions in manufacturing. Decreased production in industrial machinery and equipment and in rubber and miscellaneous plastics products outweighed expansion in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area increased 2,000 from April to 458,000 in May 1990 due to improvements in services and government. Since May 1989, total payroll employment advanced 11,000. Primary growth industries were services, retail trade, and government.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	**1979**	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	**1980**	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	**1981**	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	**1982**	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	**1983**	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	**1984**	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	**1985**	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	**1986**	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	**1987**	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	**1988**	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	**1989**	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
474.3	452.1	22.1	4.7	**May**	448.3	104.8	67.4	555.56	43.0	12.92
482.6	456.3	26.3	5.4	**June**	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	**July**	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	**August**	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	**September**	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	**October**	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	**November**	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	**December**	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	**January**	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	**February**	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	**March**	452.1	104.1	67.2	553.92	41.9	13.22
474.1	449.8	24.3	5.1	**April**	456.1	104.0	67.4	539.23	41.1	13.12
INA	INA	INA	INA	**May**	459.0	104.5	67.9	582.65	43.0	13.55

INA – information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
447	123	18	105	**May**	324	17	21	79	18	114	76
447	123	17	105	**June**	325	17	21	80	18	114	76
448	122	17	104	**July**	326	17	21	80	18	114	76
449	122	17	105	**August**	326	18	21	80	18	114	76
450	122	17	104	**September**	328	18	21	80	18	114	76
448	119	17	101	**October**	329	18	21	80	18	115	77
449	120	18	102	**November**	329	18	21	80	18	116	77
453	122	18	104	**December**	331	18	21	80	18	116	77
				1990							
453	122	18	104	**January**	330	18	21	81	18	115	78
454	123	18	104	**February**	331	18	21	81	18	116	77
457	124	18	105	**March**	333	18	21	82	18	117	78
456	123	18	105	**April**	333	18	22	82	18	117	77
458	123	18	105	**May**	335	18	22	82	18	118	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			**Change**[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	459.0	456.1	448.3	2.9	10.6
Goods-Producing Industries[e]	123.1	121.8	123.0	1.3	.1
Construction	18.2	17.4	17.7	.9	.5
Manufacturing	104.5	104.0	104.8	.4	-.4
Durable Goods[f]	74.9	74.5	75.2	.4	-.3
Fabricated Metal Products	8.6	8.6	8.6	.0	.0
Industrial Machinery and Equipment	30.9	30.7	31.9	.1	-1.0
Metalworking Machinery	8.3	8.3	8.6	.0	-.3
General Industrial Machinery	2.9	2.9	3.0	.0	-.1
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	22.7	22.5	21.6	.2	1.1
Motor Vehicles and Equipment	19.4	19.3	18.5	.2	1.0
Nondurable Goods[g]	29.5	29.5	29.6	.1	-.1
Food and Kindred Products	2.4	2.5	2.8	-.1	-.4
Paper and Allied Products	6.0	6.1	6.1	-.1	.0
Printing and Publishing	9.2	9.2	8.9	.1	.3
Rubber and Miscellaneous Plastics Products	7.6	7.5	8.2	.1	-.6
Service-Producing Industries	335.9	334.2	325.3	1.6	10.5
Transportation and Public Utilities	18.3	18.2	17.3	.1	1.0
Transportation	12.0	11.8	11.1	.1	.9
Trucking and Warehousing	6.8	6.7	6.0	.1	.8
Communications, Electric, Gas Services	6.3	6.3	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.7	21.6	20.8	.1	.9
Wholesale Trade-Durable Goods	15.1	15.1	14.6	.0	.5
Wholesale Trade-Nondurable Goods	6.6	6.5	6.2	.1	.4
Retail Trade	82.1	81.0	79.5	1.1	2.6
General Merchandise Stores	11.3	11.3	11.2	.0	.0
Finance, Insurance, and Real Estate	17.6	17.5	17.7	.1	.0
Finance	9.4	9.5	9.7	.0	-.3
Depository Institutions	7.2	7.2	7.5	.0	-.3
Insurance	4.4	4.4	4.3	.0	.1
Services	116.6	117.2	112.6	-.6	4.0
Business Services	23.3	22.7	22.1	.5	1.2
Personnel Supply Services	6.5	6.0	6.4	.5	.1
Computer and Data Processing Services	5.5	5.5	4.8	.0	.7
Health Services	39.1	39.0	38.1	.2	1.0
Nursing and Personal Care Facilities	7.1	7.0	7.0	.1	.1
Hospitals	19.9	19.9	19.6	.0	.4
Educational Services	7.2	8.8	7.2	-1.6	.0
Social Services	6.0	5.9	5.8	.0	.2
Engineering and Management Services	10.1	10.0	9.9	.1	.2
Research and Testing Services	3.4	3.4	3.2	.1	.2
Government	79.5	78.8	77.4	.7	2.1
Federal Government	29.2	29.2	28.9	.0	.3
State Government	7.5	7.6	7.3	-.1	.2
State Government Education[h]	4.6	4.7	4.4	-.1	.2
Local Government	42.9	42.0	41.2	.9	1.6
Local Government Education	27.2	26.6	26.3	.6	.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

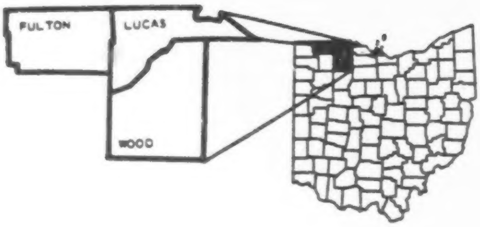
Not Seasonally Adjusted

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$582.65	$539.23	$555.56	43.0	41.1	43.0	$13.55	$13.12	$12.92
Durable Goods[f]	601.44	554.14	568.96	43.3	41.2	43.3	13.89	13.45	13.14
Fabricated Metal Products	428.66	390.00	413.88	42.4	40.0	42.8	10.11	9.75	9.67
Industrial Machinery and Equipment	623.92	574.36	617.71	44.0	41.5	44.6	14.18	13.84	13.85
Metalworking Machinery	589.57	554.70	597.06	44.8	43.0	46.5	13.16	12.90	12.84
General Industrial Machinery	536.81	468.79	512.57	45.3	40.8	45.2	11.85	11.49	11.34
Electronic and Other Electric Equipment	367.84	361.88	358.07	41.8	41.5	41.3	8.80	8.72	8.67
Transportation Equipment	754.11	686.38	695.41	44.1	41.7	42.9	17.10	16.46	16.21
Motor Vehicles and Equipment	766.46	696.81	699.43	44.1	41.7	42.7	17.38	16.71	16.38
Nondurable Goods[g]	526.67	491.27	512.44	42.1	40.5	41.9	12.51	12.13	12.23
Food and Kindred Products	358.35	350.32	360.29	40.4	39.9	41.7	8.87	8.78	8.64
Paper and Allied Products	526.13	476.30	481.00	45.2	42.3	43.1	11.64	11.26	11.16
Printing and Publishing	467.27	465.66	469.68	39.7	39.8	40.7	11.77	11.70	11.54
Rubber and Miscellaneous Plastics Products	676.89	622.12	687.86	41.4	39.3	42.2	16.35	15.83	16.30
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	562.19	563.20	563.70	40.3	40.2	40.7	13.95	14.01	13.85
Communications	562.80	569.37	559.54	40.0	39.9	40.4	14.07	14.27	13.85
Wholesale Trade	390.64	393.82	404.71	39.3	39.5	39.6	9.94	9.97	10.22
Retail Trade[i]	177.65	174.28	165.79	28.7	28.2	28.1	6.19	6.18	5.90
General Merchandise Stores	180.14	180.05	175.84	27.8	27.7	28.0	6.48	6.50	6.28
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	267.72	273.58	258.21	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	408.86	412.46	368.83	34.1	34.4	33.9	11.99	11.99	10.88

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

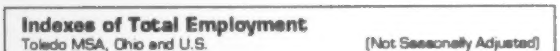
TOLEDO METROPOLITAN STATISTICAL AREA

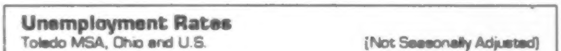


Total nonfarm payroll employment in the Toledo metropolitan area rose 2,100 above the April level to 299,100 in May 1990. More business in retail trade and services raised employment in service-producing industries 1,700. The workforce in goods-producing industries increased 300 over the month to 72,300. A cyclical upturn in construction more than offset declines in durable-goods manufacturing, especially transportation equipment. Factory production workers averaged $13.58 per hour, up fractionally from April. Their average workweek of 43.6 hours was 0.6 hours longer.

Nonagricultural wage and salary employment advanced 3,400 between May 1989 and May 1990. The number of employees in service-producing industries increased 5,700. Primary areas of expansion were services (+2,700) and retail trade (+1,700). Employment in goods-producing industries fell 2,300 below the year-ago level as reductions in manufacturing, especially transportation equipment, negated modest growth in construction. Declines also occurred in industrial machinery and equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area totaled 297,000 in May 1990, unchanged from April. Since May 1989, total payroll employment advanced 3,000. Gains in service-producing industries, particularly services, more than offset a decrease in manufacturing.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]

Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed Total	Unemployed Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
317.4	300.3	17.2	5.4	May	295.8	62.5	44.7	584.76	44.0	13.29
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.1	294.6	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
INA	INA	INA	INA	May	299.1	59.5	42.8	592.09	43.6	13.58

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	75	12	63	May	219	14	16	59	12	75	43
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
297	73	13	60	May	224	15	16	60	12	78	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	299.1	297.1	295.8	2.1	3.4
Goods-Producing Industries[e]	72.3	72.0	74.7	.3	-2.3
Construction	12.6	11.9	11.9	.7	.8
Manufacturing	59.5	59.9	62.5	-.4	-3.1
Durable Goods[f]	44.4	44.7	46.7	-.3	-2.3
Stone, Clay, and Glass Products	7.7	7.7	7.9	.0	-.3
Primary Metal Industries	3.5	3.5	3.5	-.1	.0
Fabricated Metal Products	7.2	7.0	7.2	.1	.0
Metal Forgings and Stampings	2.6	2.6	2.9	.0	-.3
Industrial Machinery and Equipment	5.7	5.6	6.1	.1	-.5
Transportation Equipment	13.7	14.2	15.5	-.5	-1.7
Nondurable Goods[g]	15.0	15.2	15.8	-.1	-.8
Food and Kindred Products	3.9	3.8	4.0	.0	-.1
Rubber and Miscellaneous Plastics Products	4.0	4.0	4.3	.0	-.3
Service-Producing Industries	226.8	225.1	221.1	1.7	5.7
Transportation and Public Utilities	14.6	14.4	14.1	.2	.5
Transportation	9.7	9.5	9.2	.2	.5
Communications, Electric, Gas Services	4.9	4.9	4.9	.0	.0
Wholesale Trade	16.2	16.1	15.7	.1	.5
Wholesale Trade-Durable Goods	10.7	10.6	10.4	.1	.3
Wholesale Trade-Nondurable Goods	5.5	5.5	5.3	.0	.2
Retail Trade	60.2	59.4	58.5	.8	1.7
General Merchandise Stores	8.0	8.0	8.2	.0	-.2
Finance, Insurance, and Real Estate	12.0	12.0	12.2	.0	-.2
Finance	6.2	6.3	6.4	-.1	-.2
Insurance	3.7	3.7	3.7	.0	.0
Services	78.2	77.6	75.5	.6	2.7
Business Services	13.6	13.3	13.1	.4	.6
Personnel Supply Services	5.2	4.9	5.0	.3	.2
Health Services	27.7	27.6	27.5	.1	.2
Nursing and Personal Care Facilities	4.1	4.0	4.1	.1	.0
Hospitals	15.1	15.1	15.1	.0	.0
Engineering and Management Services	6.3	6.3	5.9	.1	.4
Government	45.6	45.5	45.1	.0	.5
Federal Government	3.1	2.9	2.7	.1	.4
State Government	17.2	17.5	16.7	-.3	.5
State Government Education[h]	12.8	13.1	12.5	-.3	.3
Local Government	25.3	25.1	25.6	.2	-.3
Local Government Education	14.9	14.7	15.2	.1	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

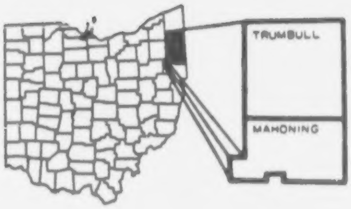
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$592.09	$581.79	$584.76	43.6	43.0	44.0	$13.58	$13.53	$13.29
Durable Goods[f]	603.50	592.11	599.82	43.7	43.0	44.3	13.81	13.77	13.54
Stone, Clay, and Glass Products	554.19	568.71	481.20	43.5	44.5	42.1	12.74	12.78	11.43
Primary Metal Industries	548.49	466.91	477.22	47.0	41.8	42.8	11.67	11.17	11.15
Fabricated Metal Products	524.36	506.44	484.78	44.4	44.0	43.4	11.81	11.51	11.17
Metal Forgings and Stampings	734.23	640.83	619.48	45.1	41.0	41.8	16.28	15.63	14.82
Industrial Machinery and Equipment	488.80	482.65	512.00	41.6	41.5	43.5	11.75	11.63	11.77
Transportation Equipment	770.43	771.76	802.62	43.7	43.9	46.8	17.63	17.58	17.15
Nondurable Goods[g]	553.84	544.43	530.72	43.1	42.7	42.8	12.85	12.75	12.40
Food and Kindred Products	619.77	551.06	619.52	43.8	40.4	44.0	14.15	13.64	14.08
Rubber and Miscellaneous Plastics Products	373.57	383.78	388.06	41.6	42.5	43.7	8.98	9.03	8.88
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	652.80	659.40	575.66	41.9	42.0	40.2	15.58	15.70	14.32
Wholesale Trade	412.63	418.59	406.18	40.1	40.6	39.9	10.29	10.31	10.18
Retail Trade[i]	165.38	162.75	158.58	27.2	26.9	27.2	6.08	6.05	5.83
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	354.56	361.89	337.26	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mili products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor- management disputes.

YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

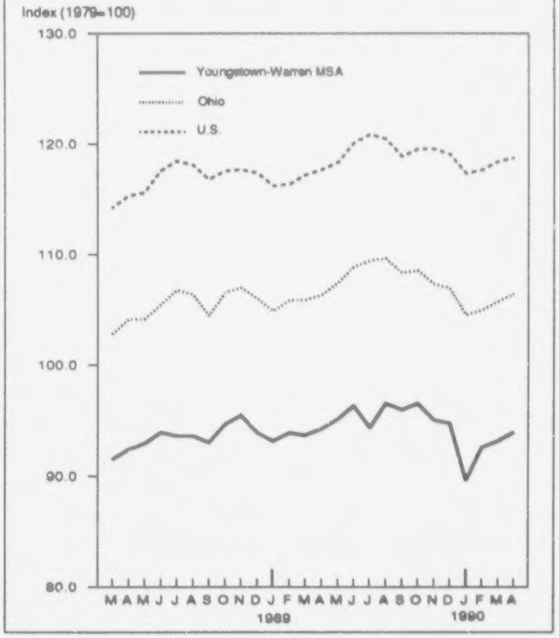


In the Youngstown-Warren metropolitan area, nonfarm payroll employment rose 3,500 above the April level to 204,300 in May 1990. The return of nonteaching personnel in state and local schools and colleges and more business in services and retail trade raised employment in service-producing industries 2,300. The workforce in goods-producing industries increased 1,100 over the month to 58,400 due to a cyclical upturn in construction and scattered increases in durable-goods manufacturing. Factory production workers averaged $14.55 per hour, up 24 cents from April. Their average workweek of 43.6 hours was 1.5 hours longer.

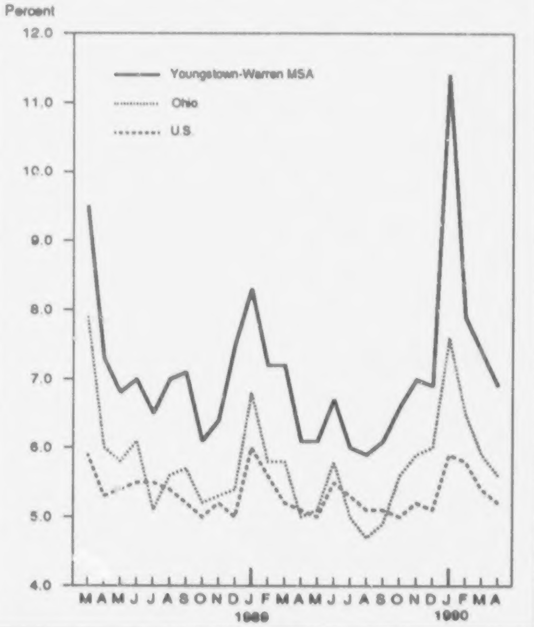
Nonagricultural wage and salary employment advanced 5,000 between May 1989 and May 1990. The service-producing sector added 5,600 jobs. Expansion in services, retail trade, and wholesale trade contributed most to the gain. Reductions in durable-goods manufacturing lowered employment in goods-producing industries 500 from the year-ago level. Noteworthy declines were recorded in transportation equipment, fabricated metal products, and primary metal industries.

Seasonally adjusted employment in the Youngstown-Warren area increased 1,000 from April to 202,000 in May 1990 primarily due to improvements in manufacturing and government. Since May 1989, total payroll employment advanced 5,000. Growth industries were services, wholesale trade, retail trade, and government.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
222.9	209.3	13.5	6.1	May	199.2	50.7	38.6	603.60	43.3	13.94
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.8	206.6	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
INA	INA	INA	INA	May	204.3	49.9	37.5	634.38	43.6	14.55

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
197	59	8	51	May	139	8	11	42	9	46	24
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	May 1990[p]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	204.3	200.8	199.2	3.5	5.0
Goods-Producing Industries[e]	58.4	57.3	58.9	1.1	-.5
Construction	8.1	7.5	7.8	.6	.3
Manufacturing	49.9	49.3	50.7	.5	-.9
Durable Goods[f]	44.6	44.1	45.8	.4	-1.2
Primary Metal Industries	18.8	18.6	19.0	.2	-.2
Blast Furnace and Basic Steel Products	6.1	6.0	6.1	.0	.0
Fabricated Metal Products	7.3	7.2	7.6	.1	-.3
Metal Forgings and Stampings	3.9	3.8	4.0	.0	-.2
Industrial Machinery and Equipment	4.4	4.2	4.3	.1	.0
Transportation Equipment	9.0	9.1	9.5	-.1	-.5
Nondurable Goods[g]	5.3	5.2	4.9	.1	.4
Service-Producing Industries	145.9	143.5	140.3	2.3	5.6
Transportation and Public Utilities	8.0	7.8	7.7	.1	.2
Wholesale Trade	11.9	11.8	10.8	.1	1.0
Wholesale Trade-Durable Goods	7.4	7.3	6.9	.1	.4
Wholesale Trade-Nondurable Goods	4.5	4.5	3.9	.0	.6
Retail Trade	43.4	42.8	41.8	.5	1.6
General Merchandise Stores	5.1	5.1	5.2	.0	-.2
Finance, Insurance, and Real Estate	8.8	8.7	8.6	.1	.1
Finance	4.7	4.7	4.6	.0	.1
Services	48.1	47.4	46.3	.6	1.8
Health Services	21.1	21.0	20.7	.1	.4
Nursing and Personal Care Facilities	4.8	4.8	4.7	.0	.2
Hospitals	10.7	10.7	10.6	.0	.1
Government	25.8	24.9	25.0	.9	.8
State Government	4.4	4.1	4.6	.4	-.2
State Government Education[h]	2.9	2.6	3.1	.4	-.2
Local Government	19.0	18.6	18.3	.4	.7
Local Government Education	12.2	12.0	12.0	.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$634.38	$602.45	$603.60	43.6	42.1	43.3	$14.55	$14.31	$13.94
Durable Goods[f]	650.69	616.96	621.41	43.7	42.2	43.7	14.89	14.62	14.22
Primary Metal Industries	700.22	668.53	649.22	43.6	42.5	42.6	16.06	15.73	15.24
Blast Furnace and Basic Steel Products	673.95	693.53	614.71	46.9	47.6	45.1	14.37	14.57	13.63
Fabricated Metal Products	649.60	597.80	630.61	45.3	42.7	46.3	14.34	14.00	13.62
Metal Forgings and Stampings	791.11	700.04	737.80	47.6	43.0	47.6	16.62	16.28	15.50
Industrial Machinery and Equipment	520.75	487.22	501.06	42.2	40.2	42.0	12.34	12.12	11.93
Transportation Equipment	703.04	668.68	713.78	44.3	42.7	46.5	15.87	15.66	15.35
Nondurable Goods[g]	458.34	440.75	401.71	42.4	41.0	38.7	10.81	10.75	10.38
Wholesale Trade	385.28	377.03	361.00	38.8	38.2	38.0	9.93	9.87	9.50
Retail Trade[i]	184.80	178.92	184.79	28.3	27.4	29.1	6.53	6.53	6.35
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	228.98	226.99	218.14	....	....	....	.....	.....	.....

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Nonagricultural payroll employment in the Hamilton-Middletown area increased 100 above the April level to 96,900 in May 1990. Employment in service-producing industries gained 200 jobs. Slight improvements in retail trade and services more than offset a decrease in state government. The goods-producing sector, at 27,400, lost 100 employees over the month. Reductions in durable-goods manufacturing, especially primary metal industries, negated seasonal growth in construction and mining. Factory production workers averaged $13.78 per hour, up 15 cents from April. Their average workweek of 45.9 hours was 1.4 hours longer. Nonfarm wage and salary employment advanced 1,100 between May 1989 and May 1990. The expansion was concentrated in service-producing industries. Notable gains were posted in services, state government, and retail trade. Employment in goods-producing industries declined 300 from the year-ago level. Reduced production in durable-goods manufacturing, particularly primary metal industries, outweighed modest growth in construction and mining.

Lima MSA
In the Lima metropolitan area, total nonfarm payroll employment rose 800 from April to 75,100 in May 1990. The number of employees in service-producing industries increased 600 primarily due to more business in retail trade. Cyclical upturns in construction and mining raised employment in the goods-producing sector 200 over the month to 26,900. Manufacturing production workers averaged $13.05 per hour, unchanged from April. Their average workweek of 41.8 hours was 0.5 hours longer. Nonagricultural wage and salary employment advanced 2,000 between May 1989 and May 1990. Expansion in service-producing industries, particularly retail trade, created 1,600 additional jobs. Improvements in construction and mining and in manufacturing increased goods-producing industries 400 during the period. Nominal growth in fabricated metal products, industrial machinery and equipment, and rubber and miscellaneous plastics products counterbalanced a reduction in transportation equipment.

Lorain–Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area totaled 94,400 in May 1990, up 700 from the April level. Improvements in retail trade, local government, and services raised employment in service-producing industries 700. The number of workers in the goods-producing sector was unchanged from last month at 32,400. More business in construction and mining offset reductions in manufacturing, especially transportation equipment. Factory production workers averaged $13.73 per hour, 16 cents higher than April. Their average workweek of 44.6 hours was 1.8 hours longer. Nonagricultural payroll employment advanced 600 between May 1989 and May 1990. Growth in retail trade and in transportation and public utilities contributed most to the increase of 1,500 jobs in service-producing industries. Over-the-year reductions in durable-goods manufacturing, particularly transportation equipment, lowered employment in goods-producing industries 900.

Mansfield MSA
Nonagricultural payroll employment in the Mansfield metropolitan area totaled 60,600 in May 1990, up 300 from April. Scattered increases, especially in retail trade, raised employment in service-producing industries 300. Employment in goods-producing industries was unchanged over the month at 20,600. Seasonal increases in construction and mining were counterbalanced by decreases in durable-goods manufacturing, especially electronic and other electric equipment. Factory production workers averaged $13.19 per hour, up 31 cents from April. Their average workweek of 41.0 hours was 1.1 hours longer. Nonagricultural wage and salary employment declined 400 between May 1989 and May 1990. Reductions in durable-goods manufacturing, particularly fabricated metal products, lowered employment in the goods-producing sector 1,100. Growth in retail trade raised employment in service-producing industries 700 over the year.

Steubenville–Weirton MSA
In the Steubenville-Weirton metropolitan area, nonfarm wage and salary employment rose 400 above the April level to 53,900 in May 1990. More business in transportation and public utilities, retail trade, and services increased employment in service-producing industries 400. A slight gain in construction raised employment in goods-producing industries 100 over the month to 20,500. Manufacturing production workers averaged $11.88 per hour, up 7 cents from April. Their average workweek of 44.4 hours was 1.1 hours longer. Nonagricultural payroll employment advanced 2,100 between May 1989 and May 1990. The service-producing sector added 1,600 jobs primarily due to growth in services and retail trade. Increases in construction and manufacturing raised employment in goods-producing industries 600 during the period.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	132.3	130.4	131.3	1.9	1.0
Employment	124.0	122.2	124.5	1.8	-.5
Unemployment	8.3	8.2	6.8	.1	1.5
Unemployment Rate	6.3	6.3	5.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	96.9	96.8	95.9	.1	1.1
Goods–Producing Industries	27.4	27.5	27.7	-.1	-.3
Construction and Mining	6.0	5.7	5.5	.3	.5
Manufacturing	21.4	21.8	22.3	-.4	-.9
Durable Goods	14.7	15.0	15.5	-.3	-.8
Primary Metal Industries	6.7	6.9	7.0	-.3	-.4
Fabricated Metal Products	2.4	2.4	2.4	.0	.0
Industrial Machinery and Equipment	2.5	2.5	2.4	.0	.1
Nondurable Goods	6.8	6.8	6.8	.0	-.1
Paper and Allied Products	4.8	4.8	4.9	.0	-.1
Paper Mills	3.6	3.6	3.7	.0	-.1
Service–Producing Industries	69.5	69.3	68.1	.2	1.4
Transportation and Public Utilities	3.4	3.4	3.3	.0	.1
Wholesale Trade	5.7	5.7	5.7	.0	.0
Wholesale Trade–Durable Goods	3.9	3.9	3.9	.0	.0
Retail Trade	18.1	17.9	17.8	.2	.3
Food Stores	3.0	3.0	3.2	.0	-.2
Finance, Insurance, and Real Estate	4.7	4.6	4.8	.0	-.1
Services	19.6	19.6	18.9	.1	.7
Health Services	8.3	8.3	8.0	.0	.3
Government	18.0	18.2	17.6	-.2	.4
State Government	7.5	7.8	7.1	-.3	.4
Local Government	9.9	9.8	9.9	.1	.0
Local Government Education	6.4	6.4	6.4	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$632.50	$606.54	$621.35	45.9	44.5	46.3	$13.78	$13.63	$13.42
Durable Goods	654.70	618.94	642.49	46.4	44.4	47.0	14.11	13.94	13.67
Primary Metal Industries	761.08	720.44	746.90	48.6	46.6	49.3	15.66	15.46	15.15
Fabricated Metal Products	504.15	478.39	535.92	41.7	40.1	43.5	12.09	11.93	12.32
Industrial Machinery and Equipment	639.54	598.64	651.01	49.5	47.1	51.1	12.92	12.71	12.74
Nondurable Goods	582.35	574.00	570.37	44.9	44.6	44.7	12.97	12.87	12.76
Paper and Allied Products	612.87	607.92	599.98	46.5	46.3	45.8	13.18	13.13	13.10
Paper Mills	605.53	621.71	613.64	45.7	46.5	46.0	13.25	13.37	13.34
Wholesale Trade	454.12	436.60	421.34	42.6	41.7	41.8	10.66	10.47	10.08
Retail Trade[i]	172.63	170.41	163.84	26.3	27.8	26.2	6.10	6.13	5.81

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	78.2	77.0	76.7	1.2	1.5
Employment	73.0	71.7	72.7	1.3	.3
Unemployment	5.2	5.3	4.0	-.2	1.2
Unemployment Rate	6.6	6.9	5.2		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	75.1	74.4	73.1	.8	2.0
Goods–Producing Industries	26.9	26.7	26.5	.2	.4
Construction and Mining	3.5	3.3	3.2	.2	.3
Manufacturing	23.5	23.4	23.3	.0	.1
Durable Goods	17.2	17.2	17.3	.0	-.1
Fabricated Metal Products	2.8	2.8	2.5	.0	.3
Industrial Machinery and Equipment	4.2	4.2	4.0	.0	.2
Transportation Equipment	7.3	7.3	7.9	.0	-.6
Motor Vehicles and Equipment	3.6	3.6	3.9	.1	-.3
Nondurable Goods	6.3	6.2	6.0	.1	.2
Food and Kindred Products	1.8	1.7	1.8	.1	.0
Rubber and Miscellaneous Plastics Products	2.1	2.2	2.0	.0	.2
Service–Producing Industries	48.2	47.7	46.6	.6	1.6
Transportation and Public Utilities	3.3	3.2	3.0	.1	.3
Wholesale Trade	3.4	3.4	3.4	.0	.0
Retail Trade	15.0	14.7	14.1	.3	.9
General Merchandise Stores	2.1	2.1	1.9	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	14.8	14.7	14.6	.1	.2
Health Services	6.5	6.5	6.3	.0	.3
Hospitals	3.1	3.1	3.1	.0	.0
Government	9.7	9.6	9.5	.1	.2
Local Government	7.1	7.0	7.1	.1	.0
Local Government Education	4.3	4.3	4.2	.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$545.49	$538.97	$549.53	41.8	41.3	42.5	$13.05	$13.05	$12.93
Durable Goods	544.24	536.49	541.85	41.8	41.3	42.2	13.02	12.99	12.84
Fabricated Metal Products	385.63	346.63	371.21	42.8	40.4	41.2	9.01	8.58	9.01
Industrial Machinery and Equipment	448.61	454.86	465.76	39.7	39.9	41.0	11.30	11.40	11.36
Transportation Equipment	682.64	681.79	654.23	42.4	42.4	42.4	16.10	16.08	15.43
Motor Vehicles and Equipment	781.80	787.95	741.60	44.7	45.0	45.0	17.49	17.51	16.48
Nondurable Goods	548.00	545.08	573.75	41.8	41.2	43.4	13.11	13.23	13.22
Food and Kindred Products	395.41	381.19	351.14	42.2	40.9	40.5	9.37	9.32	8.67
Rubber and Miscellaneous Plastics Products	574.21	533.73	606.53	43.9	41.6	46.3	13.08	12.83	13.10
Wholesale Trade	366.52	368.45	375.94	38.1	38.3	38.4	9.62	9.62	9.79
Retail Trade[i]	189.27	188.30	166.44	29.9	29.7	28.5	6.33	6.34	5.84
General Merchandise Stores	165.62	166.78	160.58	26.8	26.9	25.9	6.18	6.20	6.20

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	117.6	116.6	118.9	1.0	-1.3
Employment	110.1	108.8	111.8	1.3	-1.7
Unemployment	7.5	7.8	7.1	-.3	.4
Unemployment Rate	6.4	6.7	6.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	94.4	93.7	93.9	.7	.6
Goods–Producing Industries	32.4	32.3	33.3	.0	-.9
Construction and Mining	4.3	4.0	4.0	.3	.3
Manufacturing	28.1	28.4	29.3	-.3	-1.2
Durable Goods	23.4	23.6	24.6	-.2	-1.2
Primary Metal Industries	4.4	4.5	4.3	.0	.1
Fabricated Metal Products	4.2	4.2	4.3	.0	.0
Transportation Equipment	7.5	7.6	8.5	-.2	-1.0
Nondurable Goods	4.7	4.8	4.7	.0	.0
Service–Producing Industries	62.1	61.4	60.6	.7	1.5
Transportation and Public Utilities	3.5	3.5	3.2	.0	.4
Wholesale Trade	2.4	2.4	2.5	.0	-.1
Retail Trade	17.4	17.2	16.6	.3	.8
Finance, Insurance, and Real Estate	3.2	3.2	3.1	.0	.1
Services	21.4	21.3	21.2	.1	.2
Health Services	8.6	8.6	8.5	.0	.2
Hospitals	4.2	4.1	4.1	.0	.1
Government	14.1	13.8	14.0	.2	.1
Local Government	11.7	11.5	12.0	.2	-.3
Local Government Education	7.9	7.8	7.8	.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$612.36	$580.80	$550.37	44.6	42.8	41.6	$13.73	$13.57	$13.23
Durable Goods	649.67	615.09	576.66	45.4	43.5	42.0	14.31	14.14	13.73
Primary Metal Industries	662.00	654.29	513.79	46.1	45.5	38.2	14.36	14.38	13.45
Fabricated Metal Products	457.63	390.98	419.13	45.4	40.1	42.9	10.08	9.75	9.77
Transportation Equipment	831.66	790.97	698.37	47.2	45.8	42.3	17.62	17.27	16.51
Nondurable Goods	402.00	390.00	390.43	40.0	39.0	39.2	10.05	10.00	9.96
Wholesale Trade	365.95	360.58	363.23	38.4	38.4	38.6	9.53	9.39	9.41
Retail Trade[j]	163.23	161.62	161.80	26.2	25.9	26.7	6.23	6.24	6.06

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.4	64.3	65.0	.1	-.6
Employment	60.1	59.8	61.4	.3	-1.3
Unemployment	4.3	4.5	3.7	-.2	.6
Unemployment Rate	6.7	7.0	5.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	60.6	60.3	61.0	.3	-.4
Goods–Producing Industries	20.6	20.6	21.6	.0	-1.1
Construction and Mining	2.3	2.1	2.2	.2	.1
Manufacturing	18.3	18.5	19.4	-.2	-1.1
Durable Goods	16.3	16.4	17.4	-.2	-1.2
Fabricated Metal Products	5.3	5.3	5.8	.0	-.5
Electronic and Other Electric Equipment	3.2	3.4	3.3	-.2	-.1
Nondurable Goods	2.1	2.1	2.0	.0	.0
Service–Producing Industries	40.0	39.7	39.3	.3	.7
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.3	2.3	2.2	.0	.1
Retail Trade	12.3	12.2	11.5	.1	.8
Finance, Insurance, and Real Estate	2.4	2.4	2.5	.0	-.1
Services	12.6	12.5	12.6	.0	-.1
Health Services	4.3	4.4	4.3	.0	.0
Government	7.5	7.4	7.5	.0	.0
Local Government	5.6	5.6	5.7	.0	-.1
Local Government Education	3.9	3.8	4.0	.0	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$540.79	$513.91	$574.09	41.0	39.9	43.1	$13.19	$12.88	$13.32
Durable Goods	558.96	533.32	599.62	40.8	39.8	43.2	13.70	13.40	13.88
Fabricated Metal Products	658.88	625.01	805.06	40.2	38.7	44.9	16.39	16.15	17.93
Electronic and Other Electric Equipment	429.16	430.00	475.89	39.3	40.0	43.5	10.92	10.75	10.94
Nondurable Goods	385.34	342.66	340.90	43.2	40.6	42.4	8.92	8.44	8.04
Wholesale Trade	350.38	333.20	338.23	40.6	40.0	40.8	8.63	8.33	8.29
Retail Trade[i]	164.82	165.54	154.01	26.8	26.7	26.6	6.15	6.20	5.79

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [h] Money payments only; tips not included. [i] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Apr. 1990[b]	Mar. 1990[c]	Apr. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.1	56.5	55.8	.6	1.3
Employment	53.8	53.0	52.2	.8	1.6
Unemployment	3.3	3.5	3.6	-.2	-.3
Unemployment Rate	5.8	6.2	6.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Total	53.9	53.5	51.8	.4	2.1
Goods–Producing Industries	20.5	20.4	19.9	.1	.6
Mining	1.0	1.0	.9	.0	.0
Construction	1.7	1.7	1.3	.1	.4
Manufacturing	17.8	17.8	17.7	.0	.1
Durable Goods	16.2	16.2	16.2	.0	0
Primary Metal Industries	12.9	12.9	12.8	.0	.2
Nondurable Goods	1.6	1.6	1.5	.0	.1
Service–Producing Industries	33.4	33.1	31.8	.4	1.6
Transportation and Public Utilities	3.4	3.3	3.2	.1	.2
Wholesale Trade	1.3	1.3	1.3	.0	.0
Retail Trade	9.6	9.5	9.1	.1	.5
General Merchandise Stores	1.7	1.7	1.5	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.0	10.9	10.3	.1	.7
Health Services	4.5	4.5	4.5	.0	.0
Hospitals	2.4	2.4	2.4	.0	.0
Government	6.3	6.3	6.2	.0	.1
Local Government	5.4	5.4	5.3	.0	.1
Local Government Education	3.5	3.5	3.4	.0	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]	May 1990[b]	Apr. 1990[c]	May 1989[c]
Manufacturing	$527.47	$511.37	$495.32	44.4	43.3	42.7	$11.88	$11.81	$11.60
Durable Goods	552.66	533.28	524.92	45.3	44.0	44.0	12.20	12.12	11.93
Primary Metal Industries	575.82	572.14	551.49	45.7	45.3	44.8	12.60	12.63	12.31
Nondurable Goods	208.37	222.36	163.84	33.5	34.0	28.2	6.22	6.54	5.81
Wholesale Trade	315.51	323.83	326.61	39.0	39.3	38.2	8.09	8.24	8.55
Retail Trade[i]	167.26	161.79	167.04	27.6	27.1	29.0	6.06	5.97	5.76

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	May 1990	April 1990	May 1989
New Applicants	35,050	34,945	37,610
Active File of Job Seekers	203,235	207,792	253,047
Counseling Interviews	847	741	848
Tests Administered	2,272	2,274	1,665
General Aptitude Tests	236	221	65
Proficiency Tests	223	276	255
Specific Aptitude Tests	323	563	361
Referrals to Jobs	28,586	31,620	25,003
Placements	5,770	3,904	5,429
Job Openings Received	12,605	10,696	11,846
Job Openings Unfilled	21,849	19,527	22,812

Selected Unemployment Insurance Activities

	Ohio		
	May 1990	April 1990	May 1989
Initial Claims	43,125	51,085	44,273
Continued Claims	398,808	414,423	360,018
First Payments	17,720	17,234	16,486
Last Payments	7,102	6,589	5,879
Average Weekly Claimants	83,033	99,737	75,764
Average Weekly Benefit Recipients	74,441	91,346	67,880
Weeks Compensated	344,711	365,385	285,947
Benefits Paid	$56,753,663	$60,752,213	$44,342,459
Average Weekly Payment	$168.39	$169.77	$160.66
Continued Claims for Survey Week	80,234	96,703	76,327
Insured Unemployment Rate	1.8	2.2	1.7
Net Contributions	$277,753,987	$91,737,959	$349,578,476
Active Employer Accounts	205,506	207,217	203,010

OHIO BUREAU OF EMPLOYMENT SERVICES
LABOR MARKET INFORMATION DIVISION
145 SOUTH FRONT STREET
PO BOX 1618
COLUMBUS OH 43216-1618

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BETHESDA MD 20814

Labor Market Review

This periodical is published monthly by the Ohio Bureau of Employment Services in cooperation with the U.S. Department of Labor. For further information contact Keith Ewald, Director, Labor Market Information Division at (614) 644-2689.

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Ohio
Labor
Market
Information

Labor Market Review

June 1990

Summary. In June, the seasonally adjusted unemployment rate in Ohio was 5.2 percent, down 0.7 percentage points from May. The national rate, also 5.2 percent, was fractionally lower. Total employment in Ohio, at 5,135,000, was up 28,000 from May. There were 284,000 unemployed Ohioans in June, a decrease of 37,000 over the month. Nonagricultural wage and salary employment (seasonally adjusted) increased 9,000 from May to an all-time high of 4,927,000 in June. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries totaled 1,341,000 in June, up 3,000 from May. Increases in fabricated metal products and transportation equipment boosted durable-goods employment 2,000 to 750,000. Nondurable-goods employment, at 373,000, was up 1,000 due to scattered gains. Growth in special trade contractors raised construction employment 1,000 to 199,000 in June, while mining employment remained at 18,000.

Service-Producing Industries. There were 3,586,000 people employed in service-producing industries in June, up 6,000 from May. Services added 5,000 jobs, while retail trade increased 3,000. Little change occurred in transportation and public utilities, wholesale trade, or finance, insurance, and real estate. The loss of temporary census workers lowered government employment 3,000 over the month.

Over the Year. Ohio's unemployment rate decreased from 5.6 percent in June 1989 to 5.2 percent in June 1990. The U.S. rate slipped from 5.3 percent to 5.2 percent over the year. Total employment in Ohio was down 7,000 from June 1989, while total unemployment was 19,000 lower. Since June 1989, nonfarm payroll employment advanced 118,000. The largest gains were in services (+39,000), retail trade (+36,000), and government (+21,000). Wholesale trade and construction also had notable increases. Manufacturing employment declined 2,000 over the year as losses in most durable-goods industries, especially primary metal industries, industrial machinery and equipment, and electronic and other electric equipment, were only partially offset by advances in nondurable-goods industries.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $549.53 in June, setting a record high for the second consecutive month. Their average workweek of 43.1 hours was 0.3 hours longer. Most industries had increased earnings due to more overtime in June. The most significant was transportation equipment, especially motor vehicles and equipment. Increases in blast furnace and basic steel products and iron and steel foundries raised earnings in primary metal industries. Higher earnings also were recorded in chemicals and allied products and in rubber and miscellaneous plastics products.

Benefits and Costs. There were 38,085 initial claims filed under the Ohio Unemployment Compensation Law in June, down 11.7 percent from May and down 16.0 percent from June

1989. Total benefits paid fell 16.2 percent to $47.6 million. The average weekly benefit check of $166.79 was $1.60 lower than in May. The average weekly number of benefit recipients, at 67,701, was down 9.1 percent. At the end of June, there were 207,048 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,579 new job applicants in June, down 7.0 percent from May, and down 5.9 percent from June 1989. Job openings received from employers declined 8.1 percent from May to 11,580. The Employment Services Division made 23,230 job referrals and 6,414 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1990	May 1990	Jun. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,419	5,428	5,445	-9	-26	-.2	-.5
Employment	5,135	5,107	5,142	28	-7	.5	-.1
Unemployment	284	321	303	-37	-19	-11.5	-6.3
Unemployment Rate	5.2	5.9	5.6				
Employer Survey Data[e]							
Total	4,927	4,917	4,809	9	118	.2	2.4
Goods-Producing Industries	1,341	1,337	1,335	3	5	.3	.4
Mining	18	18	18	0	0	.2	1.4
Coal Mining	8	8	7	0	0	-.7	.7
Oil and Gas Extraction	6	6	6	0	0	1.2	.1
Construction	199	198	192	1	7	.5	3.8
General Building Contractors	47	47	46	0	1	.3	3.1
Heavy Construction, Except Building	23	23	23	0	0	.8	-1.2
Special Trade Contractors	129	128	123	1	6	.5	5.0
Manufacturing	1,124	1,121	1,126	2	-2	.2	-.2
Durable Goods	750	748	756	2	-5	.2	-.7
Lumber and Wood Products	23	23	22	0	1	.1	6.2
Furniture and Fixtures	15	15	15	0	0	-.5	.2
Stone, Clay, and Glass Products	46	46	46	0	0	.3	.4
Primary Metal Industries	101	101	103	0	-2	.4	-1.5
Fabricated Metal Products	136	135	136	1	0	.7	.0
Industrial Machinery and Equipment	167	167	168	-1	-2	-.4	-1.0
Electronic and Other Electric Equipment	78	78	80	0	-2	-.5	-2.3
Transportation Equipment	143	141	144	1	-1	1.0	-.8
Instruments and Related Products	26	27	27	0	-1	-1.8	-3.3
Nondurable Goods	373	373	370	1	3	.2	.8
Food and Kindred Products	63	64	63	0	0	-.4	.0
Apparel and Other Textile Products	15	15	15	0	0	.6	.4
Paper and Allied Products	38	37	38	0	0	.6	-.1
Printing and Publishing	76	76	74	0	2	.4	2.6
Chemicals and Allied Products	66	66	65	0	1	.3	1.1
Rubber and Misc. Plastics Products	97	97	97	0	0	.1	.3
Service-Producing Industries	3,586	3,580	3,474	6	112	.2	3.2
Transportation and Public Utilities	219	218	215	0	3	.0	1.5
Transportation	129	128	125	0	4	.3	3.3
Communications, Electric, Gas Services	90	90	91	0	-1	-.3	-1.1

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jun. 1990	May 1990	Jun. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	272	271	263	0	8	.1	3.2
Wholesale Trade-Durable Goods	172	172	167	0	5	.0	2.9
Wholesale Trade-Nondurable Goods	100	100	96	0	3	.2	3.6
Retail Trade	936	933	900	3	36	.3	4.0
Building Materials and Garden Supplies	36	36	34	0	2	.4	4.9
General Merchandise Stores	129	129	126	1	3	.4	2.2
Food Stores	144	143	140	0	4	.3	2.8
Automotive Dealers and Service Stations	102	102	98	0	4	.2	4.1
Apparel and Accessory Stores	52	52	48	0	4	.8	8.8
Furniture and Homefurnishings Stores	34	33	32	0	2	.5	6.3
Eating and Drinking Places	316	315	308	0	8	.1	2.7
Miscellaneous Retail	123	123	114	1	9	.5	7.9
Finance, Insurance, and Real Estate	257	257	252	0	5	.0	2.0
Finance	121	121	120	0	1	.1	1.0
Depository Institutions	91	91	91	0	0	.2	.4
Insurance	93	93	91	0	2	-.1	2.2
Real Estate	44	43	42	0	2	.1	4.5
Services	1,177	1,172	1,138	5	39	.5	3.4
Hotels and Other Lodging Places	39	39	38	0	1	-.3	1.6
Personal Services	55	55	53	0	2	.5	3.1
Business Services	216	215	202	1	13	.6	6.7
Amusements, Including Motion Pictures	56	56	58	0	-2	.8	-3.6
Health Services	396	395	384	1	12	.3	3.1
Legal Services	30	30	28	0	2	.5	5.9
Educational Services	60	60	60	0	0	.5	-.7
Social Services	75	74	72	1	3	1.3	3.7
Membership Organizations	81	80	78	1	3	.8	3.4
Engineering and Management Services	87	87	85	0	2	.0	2.6
Government	725	728	704	-3	21	-.4	3.0
Federal Government	102	106	97	-4	5	-3.7	4.9
State Government	161	162	157	0	4	-.3	2.9
State Government Education	83	84	81	-1	2	-.9	2.8
Local Government	462	460	450	2	12	.3	2.6
Local Government Education	268	268	261	0	7	.1	2.5

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,289	4,981	308	5.8	5.4	June
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June

Ohio Nonagricultural Wage and Salary Employment

(In Thousands)

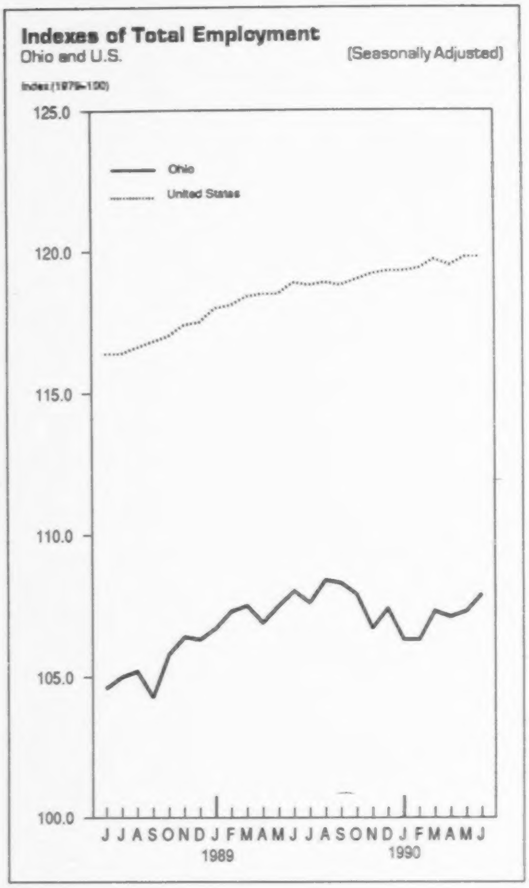
	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
June	4,707	1,316	19	188	1,109
July	4,713	1,319	19	186	1,114
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,892	1,341	18	199	1,124
March	4,905	1,340	18	200	1,122
April	4,904	1,340	18	199	1,122
May	4,917	1,337	18	198	1,121
June	4,927	1,341	18	199	1,124

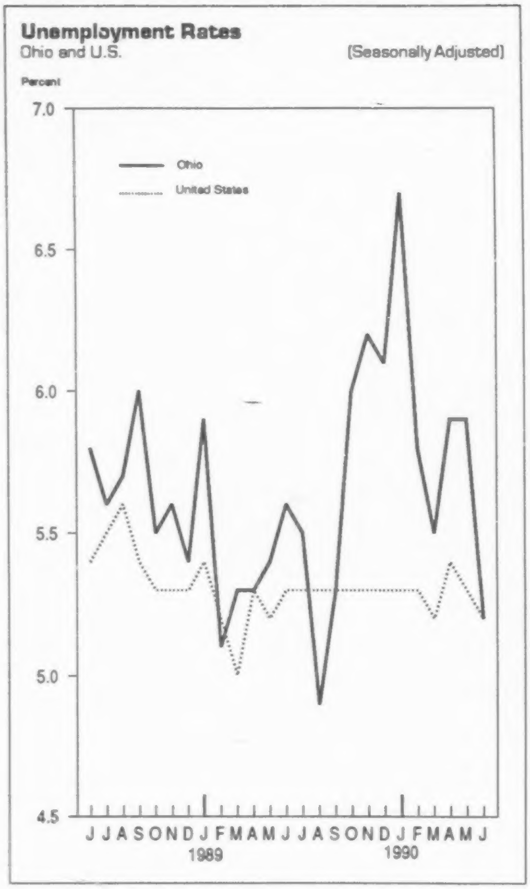
Service–Producing Employment

(In Thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,390	213	June	256	881	250	June	1,098	692
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,566	219	June	272	936	257	June	1,177	725

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
125.0
120.0
115.0
110.0
105.0
100.0
Ohio
United States
J J A S O N D J F M A M J J A S O N D J F M A M J
1989
1990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Ohio and U.S.
(Seasonally Adjusted)
Percent
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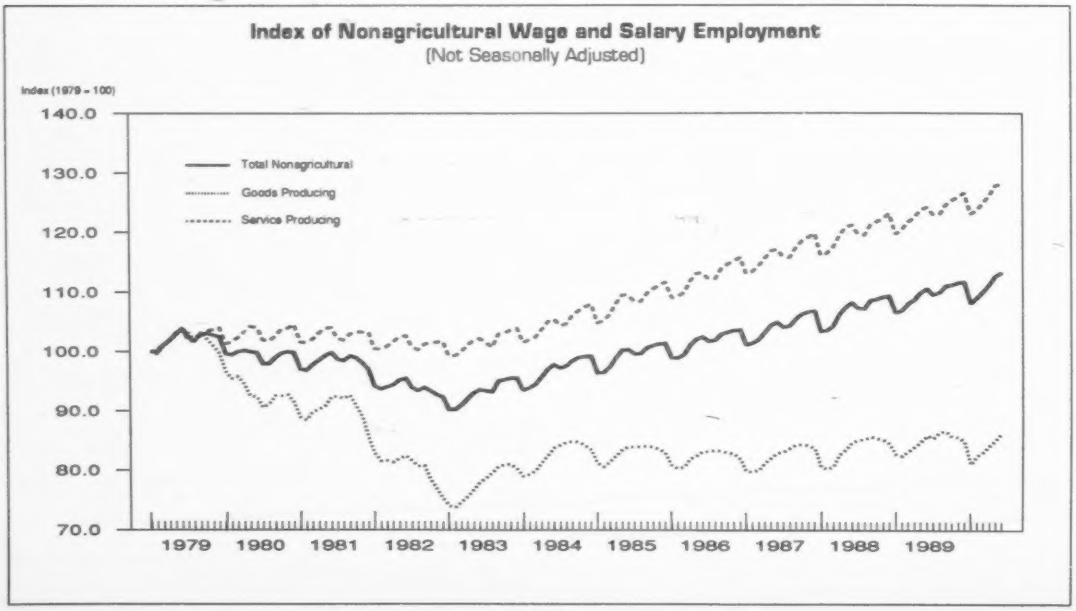
6.5
6.0
5.5
5.0
4.5
Ohio
United States
J J A S O N D J F M A M J J A S O N D J F M A M J
1989
1990


Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)
Index (1979 = 100)
140.0
130.0
120.0
110.0
100.0
90.0
80.0
70.0
Total Nonagricultural
Goods Producing
Service Producing
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

Civilian Labor Force			Unemployment Rates			Nonagricultural Employment				
							Goods–Producing Employment			
Total	Employed	Unemployed	Ohio	U.S.		Total	Total	Mining	Construction	Manufacturing
5,059	4,760	299	5.9	5.8	1979	4,484.8	1,596.8	31.6	182.9	1,382.3
5,089	4,663	426	8.4	7.1	1980	4,367.4	1,462.5	30.7	167.4	1,264.3
5,100	4,608	492	9.6	7.6	1981	4,317.7	1,417.0	30.7	153.7	1,232.6
5,114	4,474	640	12.5	9.7	1982	4,124.3	1,264.8	30.3	134.6	1,099.9
5,099	4,478	621	12.2	9.6	1983	4,092.5	1,223.4	26.6	130.8	1,066.0
5,089	4,609	480	9.4	7.5	1984	4,260.2	1,299.7	27.8	144.8	1,127.0
5,135	4,680	455	8.9	7.2	1985	4,372.9	1,304.3	26.1	154.0	1,124.2
5,232	4,806	425	8.1	7.0	1986	4,471.4	1,293.1	22.6	160.7	1,109.8
5,253	4,886	367	7.0	6.2	1987	4,582.6	1,296.2	20.9	176.4	1,098.9
5,322	5,002	320	6.0	5.5	1988	4,700.6	1,315.1	18.9	185.6	1,110.6
5,419	5,118	300	5.5	5.3	1989	4,817.2	1,333.9	17.8	193.1	1,123.0
					1989					
5,505	5,184	320	5.8	5.5	June	4,858.3	1,351.4	18.1	201.8	1,131.5
5,483	5,210	273	5.0	5.3	July	4,815.3	1,343.2	15.4	209.6	1,118.2
5,481	5,223	259	4.7	5.1	August	4,830.3	1,358.7	18.5	212.3	1,128.0
5,425	5,158	267	4.9	5.1	September	4,877.8	1,361.7	18.5	211.8	1,131.4
5,477	5,169	308	5.6	5.0	October	4,885.7	1,347.1	18.6	212.3	1,116.3
5,434	5,113	321	5.9	5.2	November	4,900.8	1,346.8	18.3	205.5	1,123.0
5,421	5,094	328	6.0	5.1	December	4,909.6	1,335.6	18.1	195.8	1,121.7
					1990					
5,391	4,979	412	7.6	5.9	January	4,752.1	1,275.5	17.6	170.6	1,087.3
5,344	4,998	346	6.5	5.8	February	4,790.2	1,297.3	17.3	166.2	1,113.8
5,353	5,035	318	5.9	5.4	March	4,834.5	1,307.0	17.5	174.7	1,114.8
5,373	5,071	302	5.6	5.2	April	4,889.3	1,324.4	17.7	188.3	1,118.4
5,409	5,104	305	5.6	5.1	May	4,949.2	1,338.0	18.0	199.6	1,120.5
5,481	5,179	302	5.5	5.3	June	4,976.3	1,357.1	18.4	209.3	1,129.3

Service–Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,506.9	217.4	June	265.2	909.2	254.2	June	1,157.8	703.2
3,472.1	217.5	July	265.8	910.3	255.9	July	1,158.8	663.8
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,619.2	220.6	June	273.6	945.3	259.3	June	1,196.4	724.1

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment				Production Workers in Manufacturing		
Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,131.5	759.8	371.7	June	776.5	409.1	33.3
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.3	754.5	374.8	June	772.7	424.6	33.3

Production Worker Average Weekly Earnings				Production Worker Average Weekly Hours				Production Worker Average Hourly Earnings		
Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1	1979	$7.84	$8.06	$7.25
347.94	358.57	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
515.57	538.16	466.31	1988	43.0	43.4	42.2	1988	11.99	12.40	11.05
523.50	542.23	478.19	1989	42.7	43.0	41.8	1989	12.26	12.61	11.44
			1989				1989			
526.81	546.88	481.74	June	42.9	43.3	42.0	June	12.28	12.63	11.47
509.50	526.23	474.44	July	41.9	42.2	41.4	July	12.16	12.47	11.46
514.46	530.02	478.40	August	42.1	42.3	41.6	August	12.22	12.53	11.50
526.49	545.67	484.15	September	42.7	43.0	42.1	September	12.33	12.69	11.50
521.10	539.30	482.69	October	42.4	42.7	41.9	October	12.29	12.63	11.52
526.92	545.24	484.68	November	42.7	43.0	42.0	November	12.34	12.68	11.54
527.39	546.12	485.62	December	42.6	42.9	41.9	December	12.38	12.73	11.59
			1990				1990			
511.98	524.15	485.72	January	42.0	42.1	41.8	January	12.19	12.45	11.62
518.72	536.36	478.67	February	41.9	42.2	41.3	February	12.38	12.71	11.59
529.17	548.26	483.89	March	42.3	42.6	41.5	March	12.51	12.87	11.66
517.09	534.18	478.06	April	41.5	41.7	41.0	April	12.46	12.81	11.66
542.28	564.19	493.08	May	42.8	43.2	42.0	May	12.67	13.06	11.74
549.53	572.46	500.74	June	43.1	43.5	42.4	June	12.75	13.16	11.81

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data fc latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products		Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment		Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
			Employment (thousands)							
67.0	158.9	175.3	1979	232.1	106.8	165.3	1979	74.4	67.6	109.3
62.0	139.8	157.5	1980	219.2	96.5	138.6	1980	72.7	67.4	95.1
58.6	138.3	154.8	1981	211.8	92.3	136.4	1981	69.2	66.1	91.4
52.1	112.7	134.9	1982	183.4	84.7	121.1	1982	66.9	63.2	82.4
50.2	104.1	129.8	1983	160.1	81.7	131.6	1983	63.4	62.8	84.5
50.5	108.9	138.8	1984	173.1	85.4	144.4	1984	62.8	65.1	92.7
48.5	101.8	139.7	1985	171.7	83.2	150.6	1985	62.9	66.8	93.3
47.5	95.4	136.8	1986	163.9	82.0	153.2	1986	63.0	68.4	94.5
46.5	95.8	132.9	1987	160.3	79.9	148.8	1987	63.1	70.5	93.6
46.0	100.8	135.2	1988	163.9	80.0	142.8	1988	62.5	72.5	93.4
45.7	102.2	136.3	1989	167.6	79.5	141.8	1989	63.2	73.9	96.4
			1989				1989			
46.4	103.1	136.8	June	169.2	79.6	144.7	June	63.5	74.1	97.1
46.1	101.0	134.9	July	168.8	79.2	137.7	July	63.2	74.0	95.4
46.5	102.4	135.0	August	168.0	79.3	142.4	August	64.4	74.2	96.8
46.3	102.8	137.1	September	167.9	80.2	139.8	September	66.7	74.6	97.4
45.9	100.3	135.3	October	163.6	79.4	136.4	October	64.9	74.8	97.6
45.9	100.8	136.2	November	167.1	79.6	139.0	November	63.8	75.0	97.6
45.3	100.6	136.0	December	168.0	79.0	140.8	December	63.4	75.0	96.7
			1990				1990			
44.2	98.8	130.5	January	167.6	78.4	120.6	January	63.3	74.6	94.7
44.3	100.7	134.2	February	167.2	78.5	142.1	February	62.5	74.8	94.9
45.0	100.9	134.1	March	167.0	78.3	141.6	March	62.2	74.7	95.5
45.6	100.8	134.9	April	166.6	78.3	142.4	April	62.5	74.8	96.2
45.7	101.2	135.3	May	167.0	77.8	142.1	May	62.6	75.4	96.7
46 6	101.7	136.8	June	167.4	77.7	143.5	June	63.5	76.0	97.4
			Average Weekly Earnings of Production Workers							
$293.34	$395.43	$323.38	1979	$329.09	$289.27	$391.56	1979	$304.50	$302.62	$300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
470.37	626.44	513.17	1988	526.24	466.07	673.91	1988	446.04	445.22	446.95
478.67	619.61	508.09	1989	534.10	459.95	704.48	1989	458.39	457.81	446.05
			1989				1989			
479.52	632.19	505.91	June	535.67	455.67	713.25	June	468.26	447.70	459.67
477.28	607.26	498.42	July	515.10	445.21	676.67	July	462.42	449.26	445.82
480.22	613.02	490.28	August	515.95	457.73	682.78	August	468.42	448.14	444.56
476.43	628.97	523.13	September	528.04	458.97	720.50	September	458.05	468.00	451.78
490.05	610.42	507.78	October	528.90	460.37	711.67	October	457.03	467.63	440.15
488.91	616.07	512.68	November	534.69	462.31	720.72	November	467.58	478.67	440.35
471.10	618.02	502.80	December	538.46	462.44	717.05	December	473.18	482.26	433.54
			1990				1990			
473.59	605.12	489.82	January	520.15	459.26	670.64	January	476.57	470.00	442.21
476.86	601.51	505.44	February	532.16	464.80	683.12	February	454.40	471.22	442.90
484.79	618.62	512.36	March	535.62	457.97	718.39	March	458.27	472.42	446.13
494.79	636.41	493.61	April	509.60	437.80	691.32	April	445.61	458.25	434.42
495.79	657.34	531.48	May	547.67	456.65	742.29	May	469.83	465.71	460.82
499.25	670.44	534.06	June	549.41	461.25	762.68	June	477.96	465.31	472.57

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	4976.3	4949.2	4858.3	27.1	118.0
Goods-Producing Industries	1357.1	1338.0	1351.4	19.0	5.7
Mining	18.4	18.0	18.1	.4	.3
Coal Mining	7.6	7.5	7.5	.0	.1
Oil and Gas Extraction	5.6	5.4	5.6	.3	.0
Construction	209.3	199.6	201.8	9.7	7.6
General Building Contractors	49.3	47.1	47.8	2.2	1.5
Nonresidential Building Construction	24.3	23.4	24.4	1.0	-.1
Heavy Construction, Except Building	25.7	23.8	26.0	1.8	-.3
Highway and Street Construction	9.3	8.4	9.6	.9	-.3
Special Trade Contractors	134.4	128.7	128.0	5.7	6.4
Manufacturing	1129.3	1120.5	1131.5	8.8	-2.2
Durable Goods[f]	754.5	749.3	759.8	5.2	-5.3
Lumber and Wood Products	23.8	23.5	22.4	.3	1.4
Millwork, Plywood and Structural Members	10.8	10.7	10.1	.1	.6
Furniture and Fixtures	15.5	15.3	15.5	.1	.0
Stone, Clay, and Glass Products	46.6	45.7	46.4	.8	.2
Primary Metal Industries	101.7	101.2	103.1	.5	-1.5
Blast Furnace and Basic Steel Products	46.9	46.8	47.1	.1	-.2
Iron and Steel Foundries	20.1	19.7	20.8	.4	-.7
Nonferrous Rolling and Drawing	16.6	16.8	17.1	-.2	-.5
Nonferrous Foundries	10.9	10.8	10.8	.1	.1
Fabricated Metal Products	136.8	135.3	136.8	1.5	.0
Fabricated Structural Metal Products	30.4	29.9	30.4	.5	-.1
Metal Forgings and Stampings	39.3	38.7	39.5	.6	-.2
Industrial Machinery and Equipment	167.4	167.0	169.2	.4	-1.8
Construction and Related Machinery	14.5	14.4	14.2	.1	.2
Metalworking Machinery	47.2	47.1	48.2	.0	-1.0
Special Industry Machinery	17.3	17.3	17.1	.0	.2
General Industrial Machinery	26.0	25.9	26.5	.1	-.5
Computer and Office Equipment	11.3	11.2	11.4	.2	.0
Refrigeration and Service Machinery	15.9	15.7	16.8	.1	-.9
Electronic and Other Electric Equipment	77.7	77.8	79.6	-.1	-1.9
Electrical Industrial Apparatus	12.0	12.1	12.7	-.1	-.6
Household Appliances	15.6	15.6	15.3	.0	.3
Electric Lighting and Wiring Equipment	16.4	16.4	16.7	.0	-.2
Electronic Components and Accessories	11.5	11.5	11.3	.0	.2
Transportation Equipment	143.5	142.1	144.7	1.4	-1.1
Motor Vehicles and Equipment	97.5	96.4	99.1	1.1	-1.6
Aircraft and Parts	37.0	36.8	36.4	.2	.7
Instruments and Related Products	25.9	26.3	26.8	-.4	-.9
Measuring and Controlling Devices	15.8	16.1	16.3	-.2	-.4
Nondurable Goods[g]	374.8	371.2	371.7	3.6	3.1
Food and Kindred Products	63.5	62.6	63.5	.9	.0
Dairy Products	10.7	10.6	10.3	.1	.4
Preserved Fruits and Vegetables	10.5	10.5	10.7	.0	-.2
Bakery Products	9.7	9.5	9.9	.1	-.2
Apparel and Other Textile Products	15.2	15.2	15.1	.0	.1
Paper and Allied Products	37.6	37.2	37.7	.4	.0
Paperboard Containers and Boxes	13.8	13.7	13.5	.1	.3
Miscellaneous Converted Paper Products	12.3	12.2	12.2	.1	.1
Printing and Publishing	76.0	75.4	74.1	.6	1.9
Newspapers	19.3	19.2	18.7	.1	.6
Commercial Printing	27.8	27.7	27.3	.1	.5
Chemicals and Allied Products	66.6	65.9	65.9	.7	.7
Plastics Materials and Synthetics	9.8	9.8	9.9	.0	-.1
Rubber and Miscellaneous Plastics Products	97.4	96.7	97.1	.6	.3
Tires and Inner Tubes	15.9	15.9	15.7	.0	.3
Miscellaneous Plastics Products	58.9	58.4	58.3	.5	.6
Service-Producing Industries	3619.2	3611.1	3506.9	8.1	112.4
Transportation and Public Utilities	220.6	218.6	217.4	2.0	3.2
Transportation	130.3	128.8	126.1	1.5	4.2
Railroad Transportation	12.3	12.3	13.2	.0	-.9
Trucking and Warehousing	77.6	76.7	75.3	1.0	2.4
Transportation by Air	14.3	14.1	13.0	.2	1.2
Communications, Electric, Gas Services	90.3	89.8	91.3	.5	-1.0
Communications	46.6	46.5	47.7	.1	-1.1
Electric, Gas, and Sanitary Services	43.7	43.3	43.6	.4	.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Wholesale Trade	273.6	271.5	265.2	2.1	8.4
Wholesale Trade-Durable Goods	172.9	171.8	168.1	1.1	4.8
Motor Vehicles, Parts, and Supplies	23.0	22.9	23.0	.1	.1
Professional and Commercial Equipment	33.1	33.0	32.1	.1	.9
Metals and Minerals, Except Petroleum	11.4	11.4	11.2	.0	.2
Electrical Goods	18.9	18.7	18.5	.1	.4
Hardware, Plumbing and Heating Equipment	13.1	13.0	12.6	.1	.5
Machinery, Equipment, and Supplies	43.5	43.1	41.9	.4	1.6
Wholesale Trade-Nondurable Goods	100.7	99.6	97.1	1.0	3.5
Groceries and Related Products	33.3	32.7	31.9	.6	1.5
Retail Trade	945.3	936.7	909.2	8.6	36.1
Building Materials and Garden Supplies	38.5	37.9	36.7	.6	1.8
Lumber and Other Building Materials	19.2	18.6	18.3	.6	.9
General Merchandise Stores	125.3	124.7	122.6	.6	2.7
Department Stores	102.1	101.4	99.7	.7	2.4
Variety Stores	13.6	13.6	13.1	.0	.5
Food Stores	144.4	143.2	140.4	1.3	4.1
Grocery Stores	127.5	126.6	123.9	.9	3.6
Automotive Dealers and Service Stations	103.6	102.6	99.7	1.0	3.9
New and Used Car Dealers	45.5	45.1	43.9	.4	1.6
Gasoline Service Stations	36.2	35.8	34.1	.4	2.1
Apparel and Accessory Stores	51.4	51.1	47.3	.3	4.1
Furniture and Homefurnishings Stores	33.2	33.0	31.3	.2	2.0
Eating and Drinking Places	327.2	323.3	318.6	3.9	8.6
Miscellaneous Retail	121.7	121.0	112.7	.6	9.0
Drug Stores and Proprietary Stores	32.6	32.4	30.6	.2	2.0
Nonstore Retailers	23.0	22.8	21.1	.2	1.9
Finance, Insurance, and Real Estate	259.3	256.8	254.2	2.5	5.1
Finance	121.4	120.5	120.3	.9	1.2
Depository Institutions	91.6	90.6	91.2	1.0	.4
Commercial Banks	64.7	63.9	63.9	.8	.8
Insurance	93.0	92.6	91.0	.4	2.0
Insurance Carriers	71.0	70.8	69.8	.2	1.2
Life Insurance	25.9	25.8	25.9	.1	-.1
Fire, Marine, and Casualty Insurance	32.0	31.7	30.5	.3	1.5
Real Estate	44.9	43.7	42.9	1.2	1.9
Services	1196.4	1180.4	1157.8	16.0	38.6
Hotels and Other Lodging Places	40.5	39.1	39.8	1.4	.6
Personal Services	54.3	54.1	52.7	.2	1.6
Business Services	216.8	213.6	203.2	3.2	13.5
Services to Buildings	33.7	33.4	32.1	.3	1.7
Personnel Supply Services	75.0	73.6	70.2	1.4	4.7
Computer and Data Processing Services	27.7	27.4	25.1	.3	2.6
Amusements, Including Motion Pictures	69.8	62.5	72.4	7.3	-2.6
Health Services	397.1	393.7	385.0	3.4	12.1
Nursing and Personal Care Facilities	86.4	85.8	83.3	.6	3.0
Hospitals	191.7	190.3	187.6	1.5	4.1
Legal Services	30.7	29.8	29.0	.9	1.7
Educational Services	55.5	60.8	55.9	-5.3	-.4
Colleges and Universities	28.3	32.5	28.8	-4.2	-.5
Social Services	74.6	74.6	71.9	.0	2.7
Residential Care	23.3	23.0	22.0	.3	1.3
Membership Organizations	82.4	80.6	79.7	1.8	2.7
Engineering and Management Services	87.9	86.7	85.7	1.2	2.2
Engineering and Architectural Services	27.3	26.7	26.4	.5	.9
Accounting, Auditing, and Bookkeeping	21.4	21.4	20.8	.0	.6
Research and Testing Services	19.5	19.1	18.9	.4	.6
Management and Public Relations	19.8	19.5	19.6	.3	.2
Government	724.1	747.2	703.2	-23.1	20.9
Federal Government	102.7	106.1	97.9	-3.4	4.8
U.S. Postal Service	34.0	33.9	34.9	.1	-.9
State Government	158.5	169.0	154.1	-10.6	4.4
State Government Hospitals	16.2	16.0	15.7	.2	.5
State Government Education[h]	79.3	91.5	77.1	-12.2	2.1
Local Government	462.9	472.0	451.2	-9.1	11.7
Local Government Hospitals	15.0	14.8	14.6	.2	.3
Local Government Education	263.7	280.4	257.4	-16.7	6.3

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Goods-Producing Industries	$563.60	$556.25	$514.52	42.6	42.3	40.9	$13.23	$13.15	$12.58
Mining	627.34	628.04	575.92	45.1	44.7	43.4	13.91	14.05	13.27
Coal Mining	732.20	744.60	701.36	43.3	43.8	42.2	16.91	17.00	16.62
Construction	624.88	624.10	581.39	39.7	39.6	37.9	15.74	15.76	15.34
General Building Contractors	562.22	561.00	540.48	40.8	40.8	39.8	13.78	13.75	13.58
Heavy Construction, Except Building	677.70	639.14	618.03	41.5	39.6	37.8	16.33	16.14	16.35
Special Trade Contractors	634.59	638.96	585.81	39.1	39.2	37.1	16.23	16.30	15.79
Manufacturing	549.53	542.28	526.81	43.1	42.8	42.9	12.75	12.67	12.28
Durable Goods[f]	572.46	564.19	546.88	43.5	43.2	43.3	13.16	13.06	12.63
Lumber and Wood Products	314.20	311.38	341.54	38.6	38.3	41.6	8.14	8.13	8.21
Millwork, Plywood and Structural Members	358.80	354.78	367.64	41.1	40.5	43.1	8.73	8.76	8.53
Furniture and Fixtures	382.12	380.59	386.90	41.4	41.1	42.1	9.23	9.26	9.19
Stone, Clay, and Glass Products	499.25	495.79	479.52	43.3	43.0	42.7	11.53	11.53	11.23
Primary Metal Industries	670.44	657.34	632.19	45.3	44.9	44.9	14.80	14.64	14.08
Blast Furnace and Basic Steel Products	675.19	663.85	661.81	45.9	45.5	45.8	14.71	14.59	14.45
Iron and Steel Foundries	743.58	720.94	644.36	45.9	45.2	44.5	16.20	15.95	14.48
Nonferrous Rolling and Drawing	716.04	700.21	655.23	42.8	42.8	42.3	16.73	16.36	15.49
Nonferrous Foundries	489.58	484.02	466.22	45.5	44.9	44.7	10.76	10.78	10.43
Fabricated Metal Products	534.06	531.48	505.91	43.0	43.0	42.3	12.42	12.36	11.96
Fabricated Structural Metal Products	495.03	506.09	453.36	43.5	44.2	41.9	11.38	11.45	10.82
Metal Forgings and Stampings	672.66	662.38	618.30	44.4	44.1	42.7	15.15	15.02	14.48
Industrial Machinery and Equipment	549.41	547.67	535.67	43.5	43.5	43.8	12.63	12.59	12.23
Construction and Related Machinery	454.46	462.35	444.96	39.9	40.1	41.2	11.39	11.53	10.80
Metalworking Machinery	540.55	530.31	524.81	44.6	43.9	44.4	12.12	12.08	11.82
Special Industry Machinery	527.33	515.53	524.57	44.5	43.8	45.3	11.85	11.77	11.58
General Industrial Machinery	638.62	616.72	592.74	45.1	44.4	44.4	14.16	13.89	13.35
Computer and Office Equipment	477.66	459.50	473.12	41.9	41.1	42.7	11.40	11.18	11.08
Refrigeration and Service Machinery	592.85	613.44	595.78	41.4	42.6	42.8	14.32	14.40	13.92
Electronic and Other Electric Equipment	461.25	456.65	455.67	41.0	40.7	41.2	11.25	11.22	11.06
Electrical Industrial Apparatus	451.92	444.47	440.32	42.0	41.5	43.0	10.76	10.71	10.24
Household Appliances	479.97	477.18	500.61	39.7	39.6	41.0	12.09	12.05	12.21
Electric Lighting and Wiring Equipment	484.81	481.19	462.35	40.3	39.9	40.1	12.03	12.06	11.53
Electronic Components and Accessories	351.96	341.13	339.89	42.1	41.1	41.0	8.36	8.30	8.29
Transportation Equipment	762.68	742.29	713.25	46.0	45.4	45.0	16.58	16.35	15.85
Motor Vehicles and Equipment	798.57	776.32	741.38	46.7	46.1	45.4	17.10	16.84	16.33
Aircraft and Parts	671.95	661.32	650.15	44.5	44.0	44.5	15.10	15.03	14.61
Instruments and Related Products	391.78	385.49	385.70	40.1	39.7	40.6	9.77	9.71	9.50
Measuring and Controlling Devices	372.68	373.64	377.55	38.7	38.8	39.7	9.63	9.63	9.51
Nondurable Goods[g]	500.74	493.08	481.74	42.4	42.0	42.0	11.81	11.74	11.47
Food and Kindred Products	477.96	469.83	468.26	42.0	41.8	42.3	11.38	11.24	11.07
Dairy Products	480.80	486.17	476.10	42.7	43.1	43.4	11.26	11.28	10.97
Preserved Fruits and Vegetables	494.91	480.80	491.31	40.6	40.1	42.1	12.19	11.99	11.67
Bakery Products	503.88	504.27	483.19	40.8	40.7	39.9	12.35	12.39	12.11
Apparel and Other Textile Products	299.47	316.41	296.91	38.1	39.7	37.3	7.86	7.97	7.96
Paper and Allied Products	519.04	515.09	494.33	44.4	44.1	43.4	11.69	11.68	11.39
Paperboard Containers and Boxes	467.37	462.27	430.61	44.3	43.9	42.3	10.55	10.53	10.18
Miscellaneous Converted Paper Products	479.39	470.67	439.38	43.9	43.3	42.7	10.92	10.87	10.29
Printing and Publishing	465.31	465.71	447.70	39.5	39.4	39.1	11.78	11.82	11.45
Newspapers	377.09	383.58	371.18	33.4	33.5	33.5	11.29	11.45	11.08
Commercial Printing	466.56	459.15	451.95	40.5	40.1	40.9	11.52	11.45	11.05
Chemicals and Allied Products	630.73	609.00	590.04	44.2	43.1	43.1	14.27	14.13	13.69
Plastics Materials and Synthetics	672.32	672.55	661.56	44.0	43.9	44.4	15.28	15.32	14.90
Rubber and Miscellaneous Plastics Products	472.57	460.82	459.67	43.0	42.2	43.0	10.99	10.92	10.69
Tires and Inner Tubes	744.97	774.45	730.79	46.3	47.6	47.3	16.09	16.27	15.45
Miscellaneous Plastics Products	457.74	441.19	445.36	42.7	41.7	42.7	10.72	10.58	10.43
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	624.12	616.33	592.02	42.0	41.7	41.4	14.86	14.78	14.30
Communications	574.63	559.32	572.36	40.1	39.5	41.0	14.33	14.16	13.96
Electric, Gas, and Sanitary Services	681.56	683.55	613.21	44.2	44.3	41.8	15.42	15.43	14.67
Wholesale Trade	416.02	415.91	400.92	39.1	39.2	39.0	10.64	10.61	10.28
Wholesale Trade-Durable Goods	411.33	411.21	389.39	39.1	39.2	38.9	10.52	10.49	10.01
Motor Vehicles, Parts, and Supplies	362.90	353.44	332.26	38.0	37.6	37.0	9.55	9.40	8.98
Metals and Minerals, Except Petroleum	468.03	472.36	450.24	41.2	42.1	42.0	11.36	11.22	10.72
Wholesale Trade-Nondurable Goods	424.93	423.45	421.69	39.2	39.1	39.3	10.84	10.83	10.73

See footnotes on page 13.

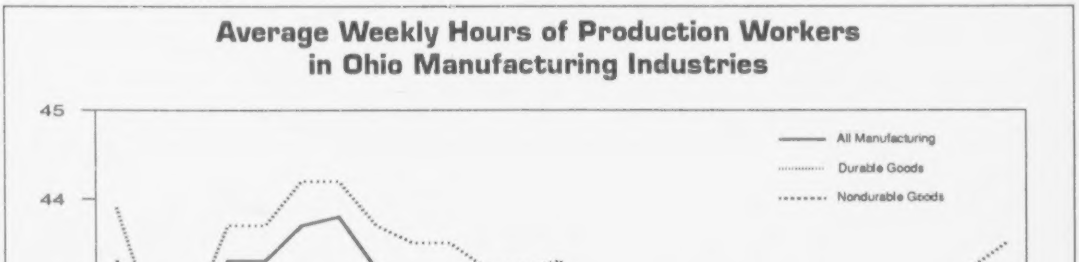
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

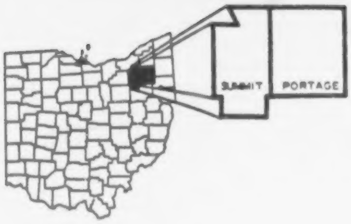
Ohio (continued)

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Retail Trade[i]	$179.14	$178.44	$175.39	28.3	28.1	28.8	$6.33	$6.35	$6.09
General Merchandise Stores	191.33	192.19	183.23	28.6	28.6	28.9	6.69	6.72	6.34
Department Stores	195.16	195.73	188.69	28.7	28.7	29.3	6.80	6.82	6.44
Finance, Insurance, and Real Estate	351.65	352.67	339.93	....	....	....	.....	.....	.....
Finance	324.97	325.28	318.13	....	....	....	.....	.....	.....
Depository Institutions	277.36	277.74	271.61	....	....	....	.....	.....	.....
Commercial Banks	274.78	274.23	268.53	....	....	....	.....	.....	.....
Insurance	418.23	419.52	400.60	....	....	....	.....	.....	.....
Insurance Carriers	407.29	407.07	389.64	....	....	....	.....	.....	.....
Life Insurance	385.11	383.56	362.02	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	434.63	435.56	414.20	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	245.35	241.08	214.37	33.2	32.8	31.9	7.39	7.35	6.72
Health Services	316.45	311.58	301.44	31.9	31.6	32.0	9.92	9.86	9.42
Nursing and Personal Care Facilities	211.15	208.24	196.24	31.8	31.6	31.6	6.64	6.59	6.21
Hospitals	373.11	365.15	351.43	32.7	32.2	32.6	11.41	11.34	10.78
Engineering and Management Services	479.15	484.98	443.07	35.0	35.4	34.4	13.69	13.70	12.88
Engineering and Architectural Services	672.07	683.26	615.44	32.8	33.2	31.4	20.49	20.58	19.60
Research and Testing Services	377.37	375.58	338.69	35.5	35.6	33.6	10.63	10.55	10.08

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [f] Includes miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.


Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

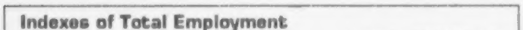
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

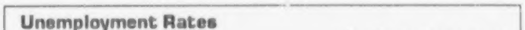


Nonagricultural payroll employment in the Akron metropolitan area totaled 291,300 in June 1990, dropping 2,300 below the May level. Employment in service-producing industries declined 3,500. Seasonal layoffs of nonteaching personnel in state and local schools and colleges overshadowed a moderate gain in services, especially amusements, including motion pictures. More business in construction and scattered improvements in manufacturing raised employment in goods-producing industries 1,100 over the month to 79,700. Factory production workers averaged $12.07 per hour, up 7 cents from May. Their average workweek was 0.2 hours longer at 43.2 hours.

Nonfarm wage and salary employment advanced 8,300 between June 1989 and June 1990. The number of jobs in service-producing industries increased 8,200. A major portion of the growth occurred in services (+4,100) and retail trade (+2,300). The number of jobs in goods-producing industries was unchanged over the year as a modest gain in construction offset a decrease in manufacturing. Declines in transportation equipment and industrial machinery and equipment negated a gain in rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Akron area increased 2,000 above the May level to 292,000 in June 1990. Slight gains were recorded in transportation and public utilities and in services. Since June 1989, total payroll employment advanced 9,000. Primary growth industries were services (+4,000) and retail trade (+2,000).


Indexes of Total Employment
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Akron PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
336.0	317.3	18.7	5.6	June	283.0	68.4	40.2	483.49	42.3	11.43
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
INA	INA	INA	INA	June	291.3	67.9	38.7	521.42	43.2	12.07

INA – information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
283	78	10	68	June	205	13	15	55	10	67	44
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
292	78	10	67	June	213	14	16	57	11	71	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	291.3	293.6	283.0	-2.3	8.3
Goods-Producing Industries[e]	79.7	78.5	79.6	1.1	.0
Construction	11.1	10.5	10.7	.6	.5
Manufacturing	67.9	67.4	68.4	.5	-.4
Durable Goods[f]	34.6	34.4	35.1	.3	-.5
Fabricated Metal Products	11.0	10.9	11.0	.2	.0
Fabricated Structural Metal Products	4.8	4.7	4.8	.1	.0
Industrial Machinery and Equipment	10.0	10.1	10.2	-.1	-.2
Metalworking Machinery	3.8	3.9	3.9	-.1	-.1
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.9	4.9	5.3	.0	-.4
Nondurable Goods[g]	33.3	33.1	33.2	.2	.0
Food and Kindred Products	3.0	3.0	3.1	.0	-.1
Chemicals and Allied Products	3.7	3.7	3.7	.0	.0
Rubber and Miscellaneous Plastics Products	20.6	20.5	20.4	.1	.3
Tires and Inner Tubes	11.4	11.4	11.3	.0	.2
Service-Producing Industries	211.6	215.1	203.4	-3.5	8.2
Transportation and Public Utilities	13.6	13.5	13.1	.1	.5
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	-.1
Wholesale Trade	16.0	15.9	15.5	.1	.5
Retail Trade	57.5	57.1	55.2	.4	2.3
General Merchandise Stores	7.7	7.7	7.3	.1	.5
Food Stores	9.2	9.1	9.1	.1	.1
Finance, Insurance, and Real Estate	10.7	10.6	10.5	.2	.3
Finance	5.4	5.4	5.4	.1	.1
Services	72.9	70.6	68.8	2.3	4.1
Business Services	12.2	11.9	11.3	.3	.9
Personnel Supply Services	3.3	3.2	3.1	.1	.2
Amusements, Including Motion Pictures	9.0	7.7	7.8	1.3	1.2
Health Services	22.2	22.1	21.3	.2	.9
Nursing and Personal Care Facilities	4.0	3.9	3.7	.0	.3
Hospitals	11.1	11.0	10.8	.1	.3
Social Services	4.8	4.7	4.6	.0	.1
Engineering and Management Services	5.4	5.2	5.0	.1	.3
Government	40.9	47.4	40.4	-6.5	.6
Federal Government	2.9	3.1	2.4	-.2	.5
State Government	12.0	17.5	11.9	-5.5	.1
State Government Education[h]	9.0	14.6	8.8	-5.6	.2
Local Government	26.0	26.9	26.0	-.9	.0
Local Government Education	13.2	14.8	13.4	-1.5	-.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

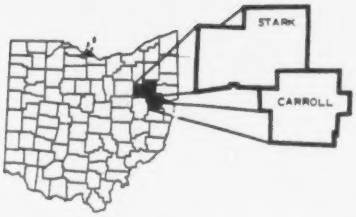
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$521.42	$516.00	$483.49	43.2	43.0	42.3	$12.07	$12.00	$11.43
Durable Goods[f]	537.51	530.27	491.42	43.7	43.5	42.4	12.30	12.19	11.59
Fabricated Metal Products	700.74	689.02	576.42	45.8	45.6	41.8	15.30	15.11	13.79
Fabricated Structural Metal Products	558.87	561.51	476.19	45.4	45.8	42.9	12.31	12.26	11.10
Industrial Machinery and Equipment	465.89	465.65	466.67	43.5	43.6	44.7	10.71	10.68	10.44
Metalworking Machinery	510.30	496.16	496.58	45.0	44.3	45.6	11.34	11.20	10.89
Electronic and Other Electric Equipment	414.73	423.52	374.62	40.9	41.4	38.7	10.14	10.23	9.68
Transportation Equipment	617.58	617.02	610.73	42.3	42.7	42.5	14.60	14.45	14.37
Nondurable Goods[g]	498.95	495.76	474.18	42.5	42.3	42.3	11.74	11.72	11.21
Food and Kindred Products	396.80	381.42	402.66	40.0	39.2	41.9	9.92	9.73	9.61
Chemicals and Allied Products	535.05	533.58	486.71	43.5	43.1	40.9	12.30	12.38	11.90
Rubber and Miscellaneous Plastics Products	520.82	512.87	497.39	44.1	43.5	43.9	11.81	11.79	11.33
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	597.78	597.37	597.60	41.0	41.0	41.5	14.58	14.57	14.40
Wholesale Trade	365.42	362.96	355.20	36.8	36.7	37.0	9.93	9.89	9.60
Retail Trade[i]	217.00	214.29	215.16	31.0	30.7	32.6	7.00	6.98	6.60
General Merchandise Stores	203.18	201.23	216.15	30.1	29.9	33.0	6.75	6.73	6.55
Food Stores	316.13	312.12	336.04	37.5	36.0	38.1	8.43	8.67	8.82
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	282.33	284.12	277.15	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

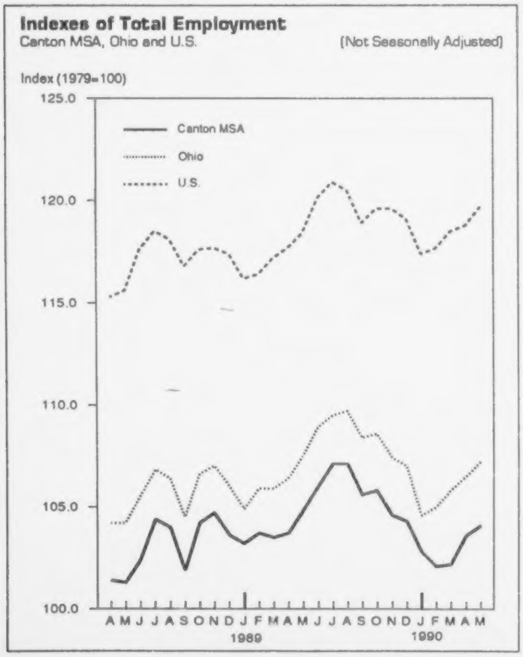
CANTON
METROPOLITAN STATISTICAL AREA

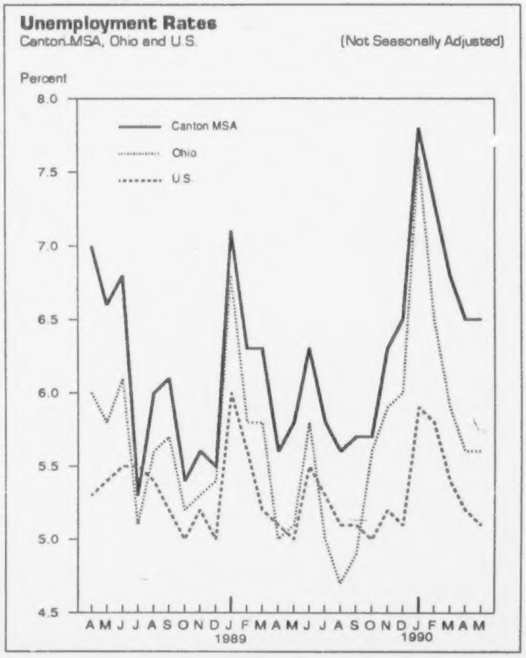


In the Canton metropolitan area, total nonfarm payroll employment increased 1,300 above the May level to 169,200 in June 1990. The continued return of workers from the settlement of a labor-management dispute in primary metal industries and more business in construction raised employment in goods-producing industries 900 to 54,100. The number of employees in the service-producing sector rose 400 over the month. Gains in services, especially health services, and retail trade more than offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $11.53 per hour, up 13 cents from May. Their average workweek of 42.6 hours was 0.5 hours longer.

Nonagricultural wage and salary employment advanced 3,400 between June 1989 and June 1990. The workforce in service-producing industries added 4,200 jobs. Leading areas of expansion were services, retail trade, and local government. Employment in goods-producing industries declined 700. Over-the-year reductions in manufacturing, particularly fabricated metal products and rubber and miscellaneous plastics products, negated modest growth in construction.

Seasonally adjusted employment in the Canton area totaled 168,000 in June 1990, up 1,000 from May primarily due to an increase in services. Since June 1989, total payroll employment advanced 4,000. Growth industries were services, wholesale trade, retail trade, and government. Manufacturing employment declined during the period.


Indexes of Total Employment
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Canton MSA, Ohio and U.S. [Not Seasonally Adjusted]

Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
Total	Employed	Unemployed						Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
196.6	184.2	12.4	6.3	June	165.7	46.4	33.3	476.30	42.3	11.26
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
INA	INA	INA	INA	June	169.2	45.3	31.6	491.18	42.6	11.53

INA – information not available
*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	54	7	46	June	110	6	8	33	7	38	19
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	169.2	167.8	165.7	1.3	3.4
Goods-Producing Industries[e]	54.1	53.1	54.8	.9	-.7
Construction	8.0	7.6	7.6	.4	.3
Manufacturing	45.3	44.8	46.4	.5	-1.1
Durable Goods[f]	33.7	33.3	34.5	.4	-.8
Primary Metal Industries	11.7	11.3	11.8	.4	-.1
Fabricated Metal Products	5.7	5.7	6.4	-.1	-.7
Electronic and Other Electric Equipment	4.0	4.1	4.2	-.1	-.2
Nondurable Goods[g]	11.6	11.5	11.9	.2	-.3
Food and Kindred Products	3.3	3.2	3.3	.1	-.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	3.1	.0	-.3
Service-Producing Industries	115.1	114.7	110.9	.4	4.2
Transportation and Public Utilities	5.7	5.7	5.7	.0	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.6	8.5	8.6	.1	.1
Retail Trade	34.1	33.9	32.8	.2	1.3
General Merchandise Stores	4.0	4.0	4.0	.0	.0
Food Stores	5.7	5.6	5.6	.1	.1
Finance, Insurance, and Real Estate	6.9	6.8	6.9	.1	-.1
Finance	4.0	3.9	3.9	.1	.0
Services	40.2	39.7	38.4	.5	1.8
Health Services	16.2	16.0	15.7	.3	.5
Nursing and Personal Care Facilities	3.9	3.8	3.7	.1	.2
Hospitals	7.6	7.4	7.5	.2	.1
Government	19.7	20.2	18.6	-.5	1.1
Federal Government	1.7	1.7	1.4	-.1	.2
State Government (Includes Education)	1.7	1.8	1.7	-.1	.0
Local Government	16.3	16.7	15.5	-.4	.9
Local Government Education	9.6	10.2	9.1	-.6	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

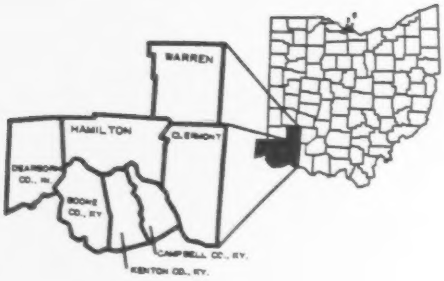
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$491.18	$479.94	$476.30	42.6	42.1	42.3	$11.53	$11.40	$11.26
Durable Goods[f]	515.59	498.10	503.87	43.4	42.5	43.4	11.88	11.72	11.61
Primary Metal Industries	564.10	548.35	530.82	45.2	44.8	46.4	12.48	12.24	11.44
Fabricated Metal Products	469.27	447.08	470.05	41.2	39.6	39.7	11.39	11.29	11.84
Electronic and Other Electric Equipment	526.32	500.04	571.33	38.7	37.4	42.7	13.60	13.37	13.38
Nondurable Goods[g]	415.27	424.54	394.74	40.2	40.9	39.2	10.33	10.38	10.07
Food and Kindred Products	428.58	442.26	397.74	39.5	40.5	37.7	10.85	10.92	10.55
Rubber and Miscellaneous Plastics Products	391.68	419.99	404.21	40.8	42.9	41.5	9.60	9.79	9.74
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	593.41	574.86	584.03	40.7	40.2	41.1	14.58	14.30	14.21
Wholesale Trade	383.17	383.62	381.24	38.9	38.4	38.2	9.85	9.99	9.98
Retail Trade[j]	173.48	172.87	165.00	28.3	28.2	28.4	6.13	6.13	5.81
General Merchandise Stores	191.92	187.78	187.50	29.3	28.8	30.0	6.55	6.52	6.25
Food Stores	162.21	164.54	160.45	27.4	27.7	28.1	5.92	5.94	5.71
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	188.73	185.06	177.28	30.1	29.8	29.4	6.27	6.21	6.03

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA

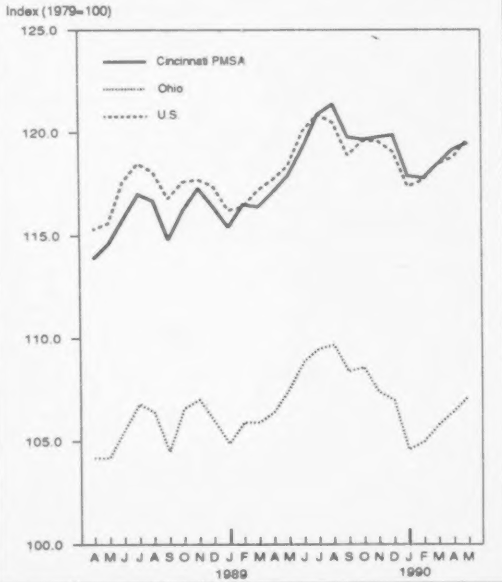


Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 4,900 above the May level to 757,900 in June 1990. Employment in service-producing industries increased 3,300. More business in services and retail trade overshadowed seasonal layoffs of nonteaching personnel in local and state schools and colleges. The workforce in goods-producing industries, at 186,300, added 1,500 jobs primarily due to growth in construction and scattered improvements in manufacturing. Gains were posted in chemicals and allied products, transportation equipment, paper and allied products, and rubber and miscellaneous plastics products. Factory production workers averaged $12.12 per hour, up 12 cents from May. Their average workweek was 0.4 hours longer at 43.7 hours.

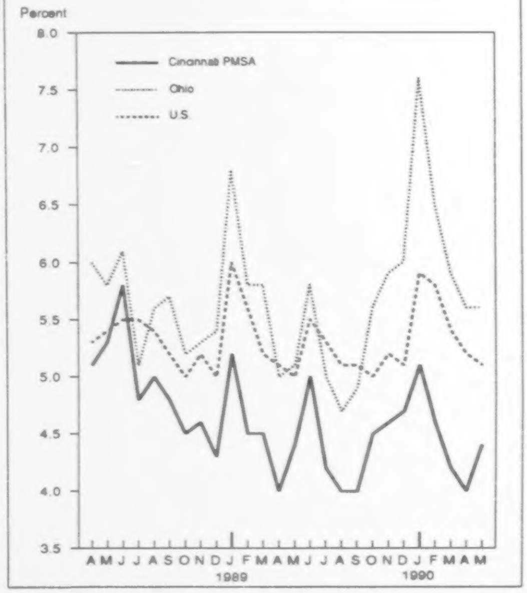
Nonagricultural payroll employment advanced 28,700 between June 1989 and June 1990. The improvement was concentrated in service-producing industries. Significant expansion occurred in retail trade (+9,200) and services (+7,600). Noteworthy gains were also posted in government, wholesale trade, and transportation and public utilities. Scattered improvements in manufacturing and growth in construction raised employment in goods-producing industries 4,400 over the year. Moderate increases occurred in transportation equipment, printing and publishing, and food and kindred products.

Seasonally adjusted employment in the Cincinnati area increased 2,000 from May to 751,000 in June 1990. Gains were registered in wholesale trade, services, and government. Since June 1989, total nonfarm employment advanced 28,000. Leading growth industries were retail trade, services, wholesale trade, government, and manufacturing.

Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]



Unemployment Rates
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]



Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
788.3	749.2	39.1	5.0	June	729.2	146.2	92.1	500.39	43.1	11.61
792.9	759.3	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.8	750.5	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
INA	INA	INA	INA	June	757.9	148.7	93.4	529.64	43.7	12.12

INA – information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
723	181	34	146	June	542	39	47	142	43	182	90
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
751	185	36	149	June	566	41	50	151	43	189	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	757.9	753.0	729.2	4.9	28.7
Goods-Producing Industries[e]	186.3	184.7	181.9	1.5	4.4
Construction	37.1	36.2	35.2	.8	1.8
Manufacturing	148.7	148.0	146.2	.7	2.5
Durable Goods[f]	80.3	80.3	79.2	.0	1.2
Fabricated Metal Products	12.3	12.2	12.3	.0	-.1
Fabricated Structural Metal Products	4.6	4.6	4.4	.0	.2
Industrial Machinery and Equipment	19.2	19.2	19.3	.0	-.2
Electronic and Other Electric Equipment	7.6	7.8	7.8	-.2	-.2
Transportation Equipment	25.1	24.8	23.9	.3	1.2
Motor Vehicles and Equipment	5.0	4.9	5.0	.1	.0
Instruments and Related Products	3.6	3.7	3.4	-.1	.1
Nondurable Goods[g]	68.4	67.7	67.1	7	1.3
Food and Kindred Products	12.3	12.4	11.9	-.1	.4
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.5	3.4	3.6	.0	-.1
Paper and Allied Products	5.7	5.5	5.9	.2	-.1
Printing and Publishing	14.6	14.7	14.1	-.1	.5
Commercial Printing	6.4	6.4	6.2	.0	.2
Chemicals and Allied Products	22.5	22.2	22.4	.4	.1
Rubber and Miscellaneous Plastics Products	7.0	6.7	6.6	.2	.3
Service-Producing Industries	571.6	568.3	547.4	3.3	24.3
Transportation and Public Utilities	41.3	40.9	39.3	.3	1.9
Transportation	24.8	24.6	23.2	.2	1.6
Trucking and Warehousing	11.2	11.1	10.5	.1	.7
Transportation by Air	6.6	6.5	6.1	.1	.5
Communications, Electric, Gas Services	16.4	16.3	16.1	.1	.4
Communications	9.6	9.6	9.8	.0	-.1
Wholesale Trade	49.8	49.4	47.7	.4	2.1
Wholesale Trade-Durable Goods	29.2	29.1	28.4	.2	.9
Retail Trade	151.4	150.2	142.2	1.1	9.2
General Merchandise Stores	22.3	22.3	20.9	.0	1.5
Finance, Insurance, and Real Estate	43.4	43.0	43.2	.4	.2
Finance	17.5	17.5	17.3	.1	.2
Depository Institutions	13.8	13.8	13.6	.1	.3
Commercial Banks	9.7	9.6	9.5	.1	.2
Insurance	17.1	17.0	17.3	.1	-.2
Insurance Carriers	14.3	14.2	14.5	.0	-.3
Life Insurance	6.7	6.7	7.0	.0	-.3
Fire, Marine, and Casualty Insurance	5.3	5.2	5.1	.1	.2
Services	193.3	189.8	185.7	3.5	7.6
Hotels and Other Lodging Places	7.9	7.7	7.6	.2	.3
Personal Services	8.6	8.6	8.1	.1	.5
Business Services	38.0	37.2	35.8	.8	2.3
Services to Buildings	6.3	6.3	5.8	.1	.6
Computer and Data Processing Services	4.8	4.8	4.3	.0	.5
Amusements, Including Motion Pictures	14.5	12.9	14.5	1.6	.0
Health Services	57.8	57.5	55.8	.4	2.0
Nursing and Personal Care Facilities	11.2	11.1	10.9	.1	.3
Hospitals	27.6	27.5	26.8	.1	.9
Legal Services	4.6	4.5	4.3	.1	.3
Educational Services	6.5	7.0	6.7	-.5	-.2
Social Services	12.4	12.3	11.7	.1	.6
Residential Care	4.9	4.8	4.6	.0	.3
Engineering and Management Services	17.2	16.9	16.4	.4	.8
Engineering and Architectural Services	5.9	5.8	5.6	.1	.3
Government	92.5	95.0	89.2	-2.5	3.3
Federal Government	16.9	17.5	15.8	-.7	1.0
State Government	21.0	21.4	20.4	-.4	.5
State Government Education[h]	12.6	13.1	12.4	-.5	.2
Local Government	54.7	56.1	53.0	-1.4	1.7
Local Government Education	30.0	32.0	28.8	-2.0	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

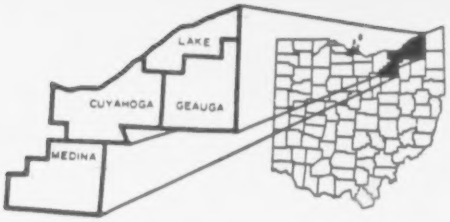
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$529.64	$519.60	$500.39	43.7	43.3	43.1	$12.12	$12.00	$11.61
Durable Goods[f]	524.72	519.16	499.10	43.8	43.7	43.4	11.98	11.88	11.50
Fabricated Metal Products	438.76	453.49	412.86	43.1	44.2	42.0	10.18	10.26	9.83
Fabricated Structural Metal Products	487.31	546.11	462.87	44.1	48.2	42.7	11.05	11.33	10.84
Industrial Machinery and Equipment	470.73	466.15	467.64	42.6	42.3	43.1	11.05	11.02	10.85
Electronic and Other Electric Equipment	375.15	396.86	364.59	41.0	42.4	40.6	9.15	9.36	8.98
Transportation Equipment	838.08	803.90	785.08	48.5	47.4	47.9	17.28	16.96	16.39
Motor Vehicles and Equipment	998.22	949.62	917.22	52.4	51.0	51.5	19.05	18.62	17.81
Instruments and Related Products	392.01	376.51	351.97	43.8	42.4	43.4	8.95	8.88	8.11
Nondurable Goods[g]	533.75	519.95	503.22	43.5	42.9	42.9	12.27	12.12	11.73
Food and Kindred Products	501.25	498.93	531.63	43.1	42.9	44.6	11.63	11.63	11.92
Beverages	577.15	585.66	519.94	42.5	43.0	41.2	13.58	13.62	12.62
Apparel and Other Textile Products	257.47	273.76	232.01	38.2	40.2	37.3	6.74	6.81	6.22
Paper and Allied Products	494.17	447.91	471.96	44.6	41.9	43.7	11.08	10.69	10.80
Printing and Publishing	499.37	498.49	460.09	41.1	41.3	39.8	12.15	12.07	11.56
Commercial Printing	525.23	517.10	487.72	43.3	43.2	42.3	12.13	11.97	11.53
Chemicals and Allied Products	682.99	655.62	593.64	45.9	44.6	43.3	14.88	14.70	13.71
Rubber and Miscellaneous Plastics Products	437.56	436.04	441.86	43.8	44.0	45.6	9.99	9.91	9.69
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	597.11	582.40	582.01	40.4	39.7	40.9	14.78	14.67	14.23
Communications	594.08	577.34	576.69	39.5	38.8	40.3	15.04	14.88	14.31
Wholesale Trade	437.14	442.33	427.67	39.1	39.6	39.2	11.18	11.17	10.91
Retail Trade[i]	179.89	176.25	171.99	28.6	28.2	29.3	6.29	6.25	5.87
General Merchandise Stores	221.04	219.55	201.61	30.7	30.2	30.5	7.20	7.27	6.61
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	302.54	302.19	281.25	....	....	....	.....	.....	.....
Commercial Banks	273.40	272.79	258.16	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	414.84	415.21	398.52	....	....	....	.....	.....	.....
Life Insurance	424.49	424.68	409.10	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	426.88	430.99	408.92	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	431.64	433.94	380.46	32.7	32.8	31.6	13.20	13.23	12.04
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	641.43	649.08	592.42	40.7	40.9	39.6	15.76	15.87	14.96

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

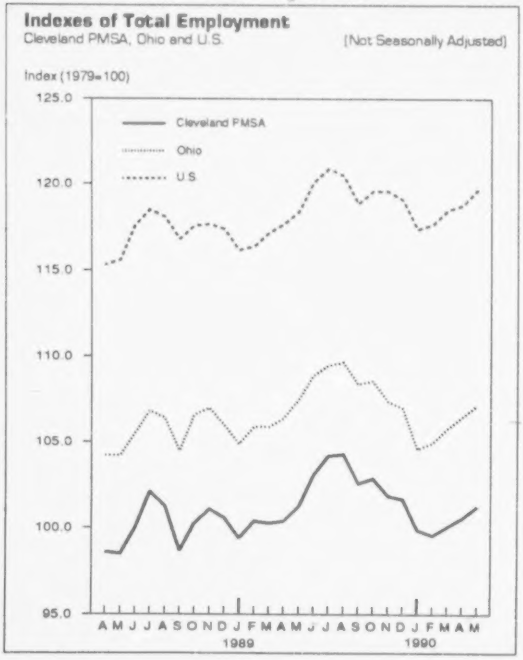
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

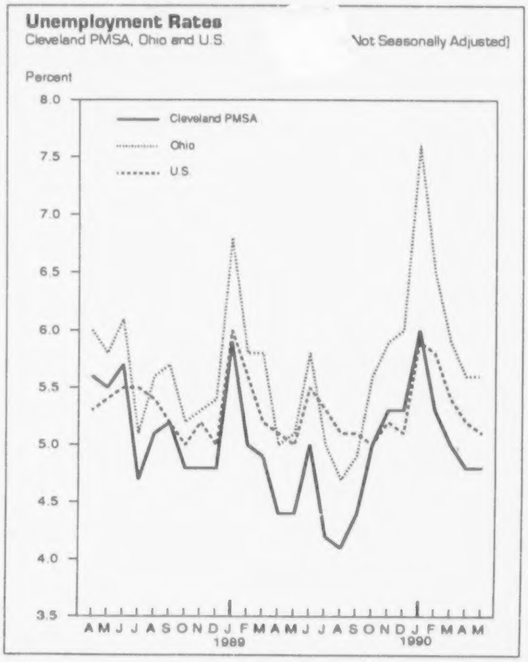


Nonagricultural payroll employment in the Cleveland metropolitan area totaled 968,600 in June 1990, up 9,700 from the May level. Seasonal growth in retail trade and services, especially amusements, including motion pictures, increased the workforce in service-producing industries 6,700. Employment in goods-producing industries rose 3,000 to 245,500 primarily due to more business in construction and scattered improvements in manufacturing. Modest gains were posted in electronic and other electric equipment, printing and publishing, fabricated metal products, and chemicals and allied products. Factory production workers averaged $12.29 per hour, little changed from May. Their average workweek was 0.2 hours longer at 43.5 hours.

Nonfarm wage and salary employment advanced 24,000 between June 1989 and June 1990. Service-producing industries contributed 94.6 percent of the improvement. Leading areas of expansion were services (+8,500) and retail trade (+6,400). Notable gains also occurred in local government and wholesale trade. Moderate growth in construction employment, particularly special trade contractors, increased goods-producing industries 1,300 during the period. The number of manufacturing jobs was unchanged over the year as gains in printing and publishing, chemicals and allied products, and rubber and miscellaneous plastics products counterbalanced reductions in industrial machinery and equipment and primary metal industries.

Seasonally adjusted employment in the Cleveland area was unchanged from May at 957,000 in June 1990. An increase in retail trade offset a decline in government. Since June 1989, total payroll employment advanced 23,000. Noteworthy expansion was posted in services and retail trade.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
964.9	916.3	48.6	5.0	June	944.6	208.4	133.9	511.69	43.4	11.79
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
946.3	900.8	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
INA	INA	INA	INA	June	968.6	208.4	133.4	534.62	43.5	12.29

INA – information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
934	241	33	207	June	693	42	66	158	57	251	118
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
957	242	34	207	June	715	43	68	165	58	259	121

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	968.6	958.9	944.6	9.7	24.0
Goods-Producing Industries[e]	245.5	242.6	244.2	3.0	1.3
Construction	36.3	34.5	34.9	1.7	1.3
Special Trade Contractors	24.7	23.5	23.7	1.2	1.0
Manufacturing	208.4	207.2	208.4	1.2	.0
Durable Goods[f]	142.0	141.5	142.9	.6	-.9
Stone, Clay, and Glass Products	3.9	3.8	3.7	.1	.1
Primary Metal Industries	20.9	21.0	21.4	-.1	-.5
Iron and Steel Foundries	4.3	4.4	4.6	-.2	-.3
Fabricated Metal Products	34.5	34.3	34.4	.2	.2
Screw Machine Products, Bolts, etc	5.0	4.9	5.3	.0	-.3
Metal Forgings and Stampings	11.1	10.9	10.9	.2	.2
Industrial Machinery and Equipment	33.2	33.3	34.2	.0	-.9
Metalworking Machinery	13.0	13.1	13.3	.0	-.3
Electronic and Other Electric Equipment	15.6	15.3	15.5	.3	.1
Electrical Industrial Apparatus	4.4	4.2	4.4	.1	-.1
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	.0	.0
Transportation Equipment	19.4	19.3	19.3	.0	.0
Motor Vehicles and Equipment	12.2	12.2	12.0	.1	.2
Instruments and Related Products	7.1	7.1	7.2	.0	-.2
Measuring and Controlling Devices	5.0	5.0	4.9	.0	.1
Nondurable Goods[g]	66.3	65.7	65.5	.6	.9
Food and Kindred Products	6.5	6.6	6.7	-.1	-.1
Apparel and Other Textile Products	3.2	3.2	3.3	0	-.1
Paper and Allied Products	5.9	5.8	6.0	.1	-.1
Printing and Publishing	17.4	17.2	16.8	.3	.6
Chemicals and Allied Products	15.1	14.9	14.8	.2	.3
Rubber and Miscellaneous Plastics Products	12.2	12.1	12.0	.1	.3
Miscellaneous Plastics Products	7.7	7.8	7.2	.0	.5
Service-Producing Industries	723.1	716.3	700.4	6.7	22.7
Transportation and Public Utilities	43.4	43.0	2.4	.4	1.0
Transportation	26.2	25.8	24.8	.4	1.5
Trucking and Warehousing	11.7	11.5	11.3	.2	.4
Transportation by Air	5.4	5.3	4.9	.0	.5
Communications, Electric, Gas Services	17.2	17.2	17.6	.0	-.5
Communications	10.0	10.1	10.3	.0	-.3
Electric, Gas, and Sanitary Services	7.1	7.1	7.3	.0	-.2
Wholesale Trade	69.0	68.4	66.6	.5	2.3
Wholesale Trade-Durable Goods	46.9	46.6	45.5	.3	1.4
Motor Vehicles, Parts, and Supplies	4.1	4.0	4.2	.0	-.1
Professional and Commercial Equipment	9.3	9.2	9.1	.1	.2
Retail Trade	166.4	163.8	160.1	2.6	6.4
General Merchandise Stores	21.4	21.1	20.5	.3	.9
Finance, Insurance, and Real Estate	58.4	57.7	57.3	.7	1.2
Finance	28.3	28.0	27.8	.3	.5
Depository Institutions	21.0	20.7	20.5	.3	.5
Commercial Banks	13.2	13.0	12.9	.2	.3
Insurance	18.7	18.6	18.6	.1	.2
Insurance Carriers	14.1	14.1	14.0	.0	.1
Fire, Marine, and Casualty Insurance	6.5	6.4	6.4	.1	.1
Services	263.1	260.6	254.6	2.5	8.5
Business Services	55.2	54.5	51.6	.7	3.6
Personnel Supply Services	21.2	21.0	19.3	.2	1.9
Computer and Data Processing Services	7.0	6.9	6.4	.1	.7
Amusements, Including Motion Pictures	13.3	12.2	13.6	1.1	-.4
Health Services	80.0	79.3	78.9	.7	1.0
Nursing and Personal Care Facilities	13.7	13.6	13.3	.1	.4
Hospitals	43.9	43.7	44.1	.2	-.1
Legal Services	10.1	9.7	9.7	.4	.4
Educational Services	16.9	18.8	16.7	-2.0	.1
Social Services	13.8	13.9	13.1	-.1	.7
Residential Care	3.8	3.8	3.5	.0	.3
Engineering and Management Services	22.3	21.8	21.3	.4	1.0
Engineering and Architectural Services	8.2	8.1	7.8	.2	.4
Accounting, Auditing, and Bookkeeping	6.5	6.4	6.5	.1	.1
Management and Public Relations	4.8	4.6	4.4	.1	.4
Government	122.8	122.8	119.5	.0	3.4
Federal Government	21.5	21.9	20.9	-.4	.6
State Government	8.0	7.9	8.0	.2	.0
State Government Education[h]	3.0	2.9	3.0	.1	.0
Local Government	93.3	93.1	90.5	.2	2.8
Local Government Education	46.1	48.1	44.9	-2.0	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

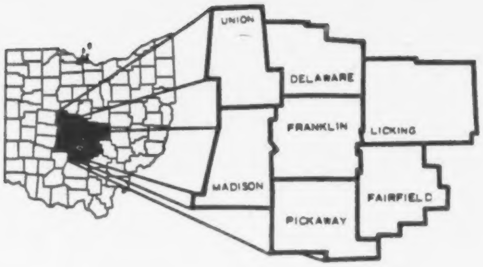
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$534.62	$531.72	$511.69	43.5	43.3	43.4	$12.29	$12.28	$11.79
Durable Goods[f]	573.65	572.32	541.55	44.4	44.4	44.1	12.92	12.89	12.28
Stone, Clay, and Glass Products	499.93	517.44	451.04	41.8	43.3	39.6	11.96	11.95	11.39
Primary Metal Industries	574.56	565.00	558.44	45.6	45.2	46.0	12.60	12.50	12.14
Iron and Steel Foundries	999.44	950.90	889.56	52.0	50.1	50.4	19.22	18.98	17.65
Fabricated Metal Products	558.54	563.71	535.05	43.5	43.8	43.5	12.84	12.87	12.30
Screw Machine Products, Bolts, etc.	551.62	550.00	562.24	44.2	44.0	44.8	12.48	12.50	12.55
Metal Forgings and Stampings	711.68	725.68	651.65	45.1	45.9	44.3	15.78	15.81	14.71
Industrial Machinery and Equipment	578.61	583.75	511.29	46.4	46.7	43.7	12.47	12.50	11.70
Metalworking Machinery	588.69	594.57	526.28	47.9	48.3	44.3	12.29	12.31	11.88
Electronic and Other Electric Equipment	418.88	420.97	429.48	40.2	40.4	41.9	10.42	10.42	10.25
Electrical Industrial Apparatus	461.34	457.29	459.24	43.4	43.1	44.5	10.63	10.61	10.32
Electric Lighting and Wiring Equipment	369.94	369.74	384.34	36.7	36.9	39.5	10.08	10.02	9.73
Transportation Equipment	799.72	781.93	738.97	46.2	45.7	45.7	17.31	17.11	16.17
Motor Vehicles and Equipment	893.96	871.42	837.33	47.4	46.7	47.2	18.86	18.66	17.74
Instruments and Related Products	448.81	450.69	431.11	41.1	41.5	42.6	10.92	10.86	10.12
Measuring and Controlling Devices	452.24	451.55	456.67	41.3	41.2	42.6	10.95	10.96	10.72
Nondurable Goods[g]	440.91	435.99	437.85	41.4	40.9	41.7	10.65	10.66	10.50
Food and Kindred Products	438.20	447.60	472.63	39.3	40.0	43.4	11.15	11.19	10.89
Apparel and Other Textile Products	370.33	361.34	364.62	38.1	37.6	38.1	9.72	9.61	9.57
Paper and Allied Products	502.48	520.93	488.81	44.0	44.6	43.8	11.42	11.68	11.16
Printing and Publishing	397.17	382.60	360.51	38.3	37.4	36.9	10.37	10.23	9.77
Chemicals and Allied Products	544.43	543.58	550.00	42.5	42.5	44.0	12.81	12.79	12.50
Rubber and Miscellaneous Plastics Products	390.63	369.05	387.54	43.5	41.7	43.3	8.98	8.85	8.95
Miscellaneous Plastics Products	392.81	370.82	397.34	43.5	41.9	44.1	9.03	8.85	9.01
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	503.18	513.80	471.04	36.2	36.7	35.1	13.90	14.00	13.42
Communications, Electric, Gas Services	622.89	620.87	630.66	40.5	40.5	42.1	15.38	15.33	14.98
Wholesale Trade	461.76	458.20	439.70	39.5	39.5	39.4	11.69	11.60	11.16
Retail Trade[i]	192.89	190.72	186.48	28.2	27.6	28.0	6.84	6.91	6.66
– General Merchandise Stores	189.00	187.25	188.64	28.0	27.7	28.8	6.75	6.76	6.55
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	320.61	323.57	321.97	....	....	....	.....	.....	.....
Depository Institutions	294.75	298.78	298.13	....	....	....	.....	.....	.....
Commercial Banks	289.79	290.68	293.84	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	329.97	331.22	318.15	31.1	31.1	31.1	10.61	10.65	10.23
Nursing and Personal Care Facilities	243.76	241.09	211.72	33.3	33.3	31.6	7.32	7.24	6.70
Hospitals	358.49	363.30	351.21	30.1	30.3	30.7	11.91	11.99	11.44

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

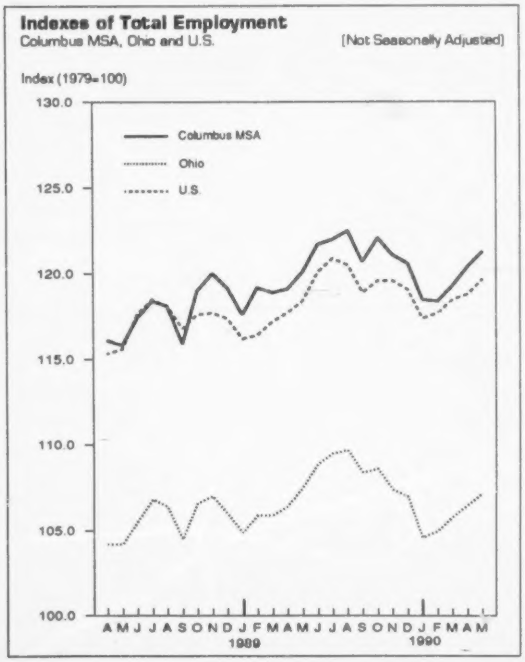
COLUMBUS
METROPOLITAN STATISTICAL AREA

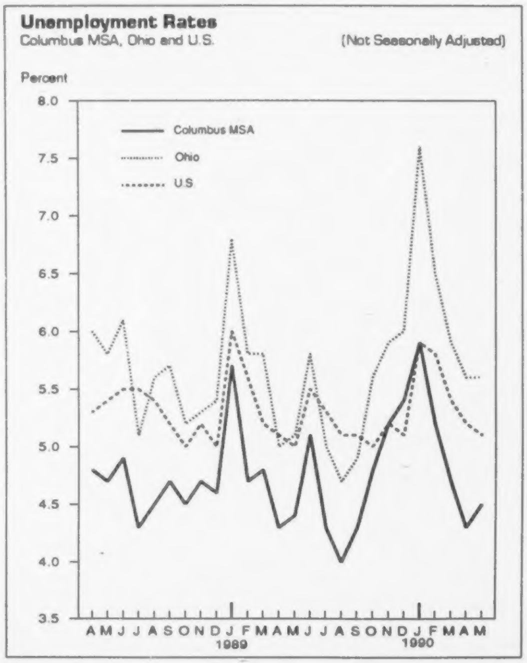


Nonfarm payroll employment in the Columbus metropolitan area totaled 733,000 in June 1990, up 5,700 from the May level. More business in services, retail trade, and finance, insurance, and real estate helped raise employment in service-producing industries 3,900. The number of jobs in goods-producing industries increased 1,800 over the month to 138,100 primarily due to seasonal hirings in construction and scattered gains in manufacturing. Factory production workers averaged $12.36 per hour, little changed from May. Their average workweek was slightly longer at 41.8 hours.

Nonagricultural wage and salary employment advanced 26,300 between June 1989 and June 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services (+9,000) and retail trade (+8,000). Noteworthy expansion also occurred in local and state government, finance, insurance, and real estate, and wholesale trade. The workforce in goods-producing industries increased 1,700 over the year due to growth in construction and manufacturing. Modest gains were recorded in transportation equipment, fabricated metal products, and printing and publishing.

Seasonally adjusted employment in the Columbus area rose 3,000 from May to 727,000 in June 1990 due to increases in retail trade and government. Since June 1989, total payroll employment advanced 27,000. A major portion of the improvement occurred in services, retail trade, and government.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
740.4	703.0	37.4	5.1	June	706.7	105.0	69.3	493.54	41.3	11.95
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.0	700.4	32.6	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
INA	INA	INA	INA	June	733.0	105.4	70.4	516.65	41.8	12.36

INA – information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
700	135	29	105	June	565	31	37	143	60	170	124
703	135	29	105	July	568	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	105	June	590	32	38	151	61	179	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	733.0	727.3	706.7	5.7	26.3
Goods-Producing Industries[e]	138.1	136.3	136.4	1.8	1.7
Construction	31.7	30.5	30.6	1.3	1.2
Manufacturing	105.4	104.9	105.0	.5	.4
Durable Goods[f]	66.4	66.2	65.9	.3	.5
Stone, Clay, and Glass Products	10.0	9.9	9.8	.1	.2
Glass and Glassware, Pressed or Blown	3.5	3.5	3.4	.0	.1
Fabricated Metal Products	10.0	9.9	9.7	.0	.3
Industrial Machinery and Equipment	9.8	9.8	9.9	.0	-.1
Electronic and Other Electric Equipment	9.1	9.1	9.3	.0	-.2
Transportation Equipment	14.3	14.3	13.8	.1	.5
Motor Vehicles and Equipment	13.3	13.3	13.2	.0	.1
Instruments and Related Products	4.7	4.7	4.7	-.1	-.1
Nondurable Goods[g]	39.0	38.8	39.1	.2	-.1
Food and Kindred Products	10.8	10.7	10.7	.1	.1
Dairy Products	4.3	4.2	4.0	.0	.3
Printing and Publishing	11.0	10.9	10.7	.1	.3
Chemicals and Allied Products	6.9	6.8	7.0	.1	-.1
Rubber and Miscellaneous Plastics Products	6.1	6.2	6.2	-.1	-.1
Service-Producing Industries	595.0	591.0	570.3	3.9	24.6
Transportation and Public Utilities	31.6	31.3	30.9	.3	.7
Transportation	19.4	19.1	18.4	.3	1.0
Trucking and Warehousing	13.8	13.6	12.8	.2	1.0
Communications, Electric, Gas Services	12.2	12.2	12.4	.0	-.2
Communications	7.6	7.6	7.8	.0	-.3
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	38.4	38.2	37.2	.2	1.2
Wholesale Trade-Durable Goods	24.9	24.8	24.1	.1	.8
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	.0	.0
Machinery, Equipment, and Supplies	5.8	5.8	5.5	.1	.3
Wholesale Trade-Nondurable Goods	13.5	13.4	13.1	.2	.4
Retail Trade	151.2	150.3	143.2	.9	8.0
General Merchandise Stores	21.1	21.1	20.3	.0	.8
Food Stores	17.1	17.1	16.3	.1	.9
Automotive Dealers and Service Stations	15.0	14.9	14.2	.1	.8
Finance, Insurance, and Real Estate	61.4	60.7	60.1	.8	1.3
Finance	24.1	23.8	23.7	.3	.4
Depository Institutions	14.6	14.3	14.4	.3	.1
Commercial Banks	12.3	12.1	11.9	.3	.4
Insurance	28.1	27.9	27.6	.2	.5
Insurance Carriers	24.1	24.0	23.6	.1	.5
Services	180.8	179.6	171.7	1.1	9.0
Business Services	38.4	38.1	35.7	.2	2.7
Personnel Supply Services	14.1	14.0	12.5	.1	1.6
Health Services	46.6	46.1	44.5	.5	2.1
Nursing and Personal Care Facilities	8.2	8.2	8.0	.0	.2
Hospitals	21.7	21.4	20.6	.3	1.1
Legal Services	4.7	4.6	4.5	.1	.2
Educational Services	6.7	7.6	6.3	-1.0	.4
Social Services	12.8	12.7	12.3	.1	.5
Engineering and Management Services	18.4	18.2	17.7	.2	.7
Engineering and Architectural Services	4.7	4.6	4.5	.1	.2
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	6.3	6.3	6.1	.0	.3
Government	131.5	131.0	127.2	.5	4.4
Federal Government	17.1	17.5	16.2	-.4	.9
State Government	57.8	57.0	56.6	.8	1.2
State Government Education[h]	24.1	23.9	24.0	.2	.1
Local Government	56.6	56.5	54.4	.1	2.2
Local Government Education	33.5	34.2	32.0	-.7	1.5

Columbus MSA

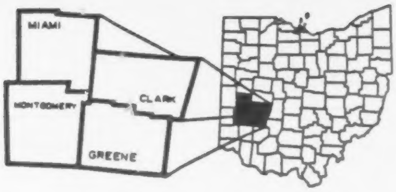
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$516.65	$514.58	$493.54	41.8	41.7	41.3	$12.36	$12.34	$11.95
Durable Goods[f]	532.98	530.04	506.30	42.0	41.9	41.5	12.69	12.65	12.20
Stone, Clay, and Glass Products	522.45	513.40	541.24	43.0	42.5	44.4	12.15	12.08	12.19
Glass and Glassware, Pressed or Blown	469.11	453.06	464.12	42.3	41.3	41.7	11.09	10.97	11.13
Fabricated Metal Products	550.71	538.86	498.98	42.2	42.0	40.7	13.05	12.83	12.26
Industrial Machinery and Equipment	537.95	494.36	479.29	43.7	41.3	41.0	12.31	11.97	11.69
Electronic and Other Electric Equipment	493.69	489.64	439.29	40.7	40.6	38.5	12.13	12.06	11.41
Transportation Equipment	595.33	631.75	589.89	41.4	43.3	41.6	14.38	14.59	14.18
Motor Vehicles and Equipment	599.47	635.21	593.22	41.4	43.3	41.6	14.48	14.67	14.26
Instruments and Related Products	442.80	420.69	431.09	41.0	39.8	40.9	10.80	10.57	10.54
Nondurable Goods[g]	483.21	482.45	466.75	41.3	41.2	40.8	11.70	11.71	11.44
Food and Kindred Products	437.02	426.62	421.23	41.7	41.1	41.5	10.48	10.38	10.15
Dairy Products	593.83	597.08	583.25	43.6	44.0	43.3	13.62	13.57	13.47
Printing and Publishing	548.06	553.02	531.57	39.6	39.7	39.0	13.84	13.93	13.63
Chemicals and Allied Products	625.83	629.64	596.43	42.2	42.4	42.3	14.83	14.85	14.10
Rubber and Miscellaneous Plastics Products	397.85	398.58	369.70	42.1	42.0	41.4	9.45	9.49	8.93
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	463.99	459.55	383.10	35.5	35.0	30.0	13.07	13.13	12.77
Communications, Electric, Gas Services	682.65	671.00	596.16	43.9	43.6	41.4	15.55	15.39	14.40
Communications	595.41	576.92	596.16	39.8	39.3	41.4	14.96	14.68	14.40
Electric, Gas, and Sanitary Services	825.29	827.42	597.19	50.6	50.7	41.5	16.31	16.32	14.39
Wholesale Trade	403.48	401.10	384.69	38.5	38.2	37.9	10.48	10.50	10.15
Retail Trade[i]	184.25	181.55	185.25	27.5	27.3	28.9	6.70	6.65	6.41
General Merchandise Stores	199.66	201.92	195.16	28.2	28.4	28.7	7.08	7.11	6.80
Food Stores	192.36	187.60	198.67	28.0	26.8	28.3	6.87	7.00	7.02
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	454.39	455.10	414.48	....	....	....	.....	.....	.....
Depository Institutions	295.94	294.57	273.09	....	....	....	.....	.....	.....
Commercial Banks	292.91	290.78	271.88	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	230.55	228.40	215.12	32.2	31.9	32.3	7.16	7.16	6.66
Hospitals	405.95	406.64	373.74	34.2	34.2	34.1	11.87	11.89	10.96
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	489.06	509.67	457.43	39.0	40.1	38.7	12.54	12.71	11.82

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

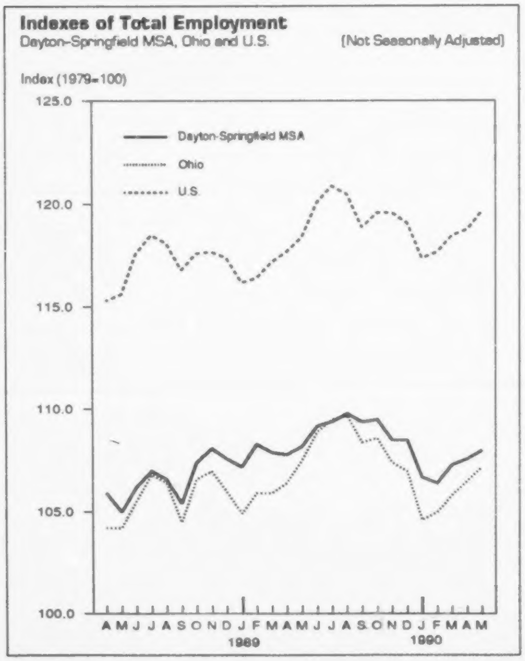
DAYTON - SPRINGFIELD
METROPOLITAN STATISTICAL AREA

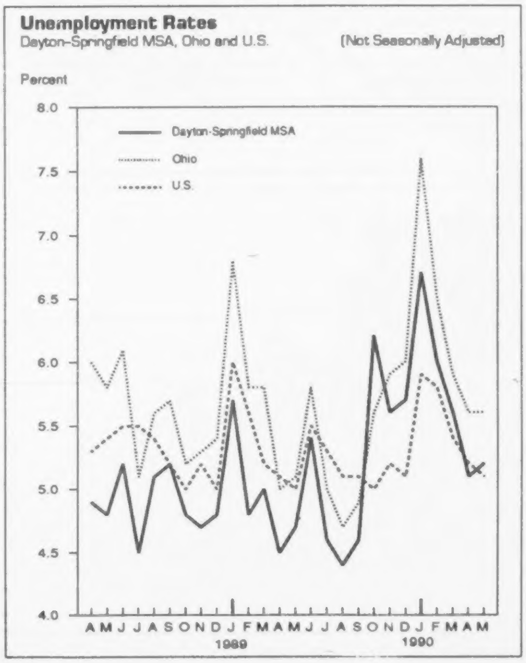


In the Dayton-Springfield metropolitan area, nonfarm payroll employment rose 2,200 above the May level to 461,800 in June 1990. Scattered gains in manufacturing, especially transportation equipment and industrial machinery and equipment, and more business in construction raised employment in goods-producing industries 1,900 over the month to 125,200. Employment in service-producing industries increased 300 as growth in services and retail trade counterbalanced seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $13.85 per hour, up 29 cents from May. Their average workweek of 43.8 hours was 0.8 hours longer.

Nonagricultural wage and salary employment advanced 12,200 between June 1989 and June 1990. Service-producing industries contributed 91.8 percent of the improvement. Primary areas of expansion were services, retail trade, and local government. Transportation and public utilities and wholesale trade also posted notable gains. Employment in goods-producing industries increased 900 due to modest gains in construction and manufacturing. Over-the-year growth in transportation equipment, especially motor vehicles and equipment, outweighed reductions in industrial machinery and equipment and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Dayton-Springfield area increased 1,000 from May to 459,000 in June 1990. Scattered gains in goods-producing industries and an increase in services outweighed a decline in finance, insurance, and real estate. Since June 1989, total payroll employment advanced 12,000. Leading growth industries were services (+4,000), retail trade (+2,000), and government (+2,000).


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]

Dayton–Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
482.6	456.3	26.3	5.4	June	449.6	105.6	67.9	555.56	43.1	12.89
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.3	451.4	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
INA	INA	INA	INA	June	461.8	105.9	68.8	606.63	43.8	13.85

INA – information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
447	123	17	105	June	325	17	21	80	18	114	76
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	336	18	22	82	17	118	78

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	461.8	459.6	449.6	2.2	12.2
Goods-Producing Industries[e]	125.2	123.3	124.3	1.9	.9
Construction	18.9	18.2	18.3	.6	.6
Manufacturing	105.9	104.7	105.6	1.2	.3
Durable Goods[f]	76.0	75.1	75.8	.9	.2
Fabricated Metal Products	8.6	8.6	8.7	.0	-.1
Industrial Machinery and Equipment	31.2	30.9	32.1	.3	-.9
Metalworking Machinery	8.2	8.3	8.6	.0	-.3
General Industrial Machinery	2.9	2.9	3.0	.0	-.1
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	23.2	22.8	21.8	.4	1.4
Motor Vehicles and Equipment	19.9	19.5	18.6	.4	1.3
Nondurable Goods[g]	29.9	29.6	29.8	.3	.1
Food and Kindred Products	2.6	2.4	2.8	.1	-.2
Paper and Allied Products	6.1	6.0	6.1	.1	.0
Printing and Publishing	9.3	9.3	9.0	.0	.3
Rubber and Miscellaneous Plastics Products	7.7	7.6	8.2	.0	-.5
Service-Producing Industries	336.6	336.3	325.4	.3	11.2
Transportation and Public Utilities	18.5	18.3	17.5	.2	1.0
Transportation	12.1	12.0	11.2	.1	1.0
Trucking and Warehousing	6.9	6.8	6.1	.1	.8
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.9	21.7	21.1	.3	.9
Wholesale Trade-Durable Goods	15.2	15.1	14.8	.2	.5
Wholesale Trade-Nondurable Goods	6.7	6.6	6.3	.1	.4
Retail Trade	82.8	82.2	80.0	.5	2.8
General Merchandise Stores	11.3	11.4	11.2	-.1	.1
Finance, Insurance, and Real Estate	17.7	17.5	17.8	.1	-.2
Finance	9.4	9.4	9.8	.0	-.4
Depository Institutions	7.2	7.2	7.5	.0	-.3
Insurance	4.3	4.3	4.3	.0	.1
Services	117.9	116.5	113.7	1.4	4.2
Business Services	23.6	23.3	22.2	.4	1.5
Personnel Supply Services	6.6	6.5	6.4	.1	.2
Computer and Data Processing Services	5.5	5.5	4.8	.0	.7
Health Services	39.5	39.2	38.4	.3	1.1
Nursing and Personal Care Facilities	7.2	7.1	7.0	.1	.2
Hospitals	20.0	19.9	19.7	.1	.3
Educational Services	6.7	7.2	6.6	-.5	.0
Social Services	5.9	6.0	5.8	.0	.1
Engineering and Management Services	10.2	10.0	9.9	.2	.3
Research and Testing Services	3.5	3.4	3.3	.1	.2
Government	77.8	80.0	75.3	-2.2	2.5
Federal Government	29.0	29.6	29.4	-.6	-.4
State Government	7.5	7.4	7.4	.0	.1
State Government Education[h]	4.5	4.5	4.5	.0	.1
Local Government	41.3	43.0	38.5	-1.7	2.8
Local Government Education	25.1	27.3	23.2	-2.1	1.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

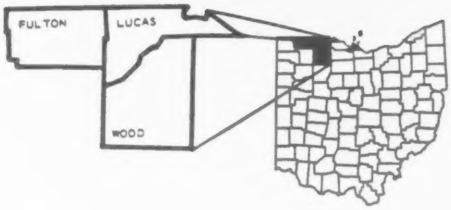
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$606.63	$583.08	$555.56	43.8	43.0	43.1	$13.85	$13.56	$12.89
Durable Goods[f]	630.39	602.30	568.54	44.3	43.3	43.4	14.23	13.91	13.10
Fabricated Metal Products	419.42	425.27	422.82	41.9	42.4	43.5	10.01	10.03	9.72
Industrial Machinery and Equipment	605.44	616.50	614.55	43.0	43.6	44.5	14.08	14.14	13.81
Metalworking Machinery	603.40	587.38	614.78	45.3	44.6	47.4	13.32	13.17	12.97
General Industrial Machinery	548.23	527.91	520.72	45.8	44.7	46.0	11.97	11.81	11.32
Electronic and Other Electric Equipment	382.67	371.32	367.95	42.9	42.1	42.1	8.92	8.82	8.74
Transportation Equipment	855.84	760.63	687.65	48.0	44.3	42.5	17.83	17.17	16.18
Motor Vehicles and Equipment	881.25	774.78	687.91	48.5	44.4	42.1	18.17	17.45	16.34
Nondurable Goods[g]	536.36	525.83	518.18	42.4	42.1	42.3	12.65	12.49	12.25
Food and Kindred Products	369.64	358.35	348.43	41.3	40.4	40.8	8.95	8.87	8.54
Paper and Allied Products	509.18	529.62	493.68	44.2	45.5	44.0	11.52	11.64	11.22
Printing and Publishing	459.03	462.55	476.49	39.0	39.5	40.9	11.77	11.71	11.65
Rubber and Miscellaneous Plastics Products	716.98	675.26	694.14	42.5	41.3	42.3	16.87	16.35	16.41
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	570.24	556.61	581.26	40.5	39.9	41.4	14.08	13.95	14.04
Communications	570.80	559.99	584.15	40.0	39.8	41.4	14.27	14.07	14.11
Wholesale Trade	394.42	390.43	407.95	39.6	39.2	39.8	9.96	9.96	10.25
Retail Trade[i]	176.18	176.42	166.66	28.6	28.5	28.2	6.16	6.19	5.91
General Merchandise Stores	179.07	180.14	174.10	28.2	27.8	27.9	6.35	6.48	6.24
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	273.00	271.35	260.20	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	416.58	410.74	370.94	34.6	34.2	34.0	12.04	12.01	10.91

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

TOLEDO
METROPOLITAN STATISTICAL AREA

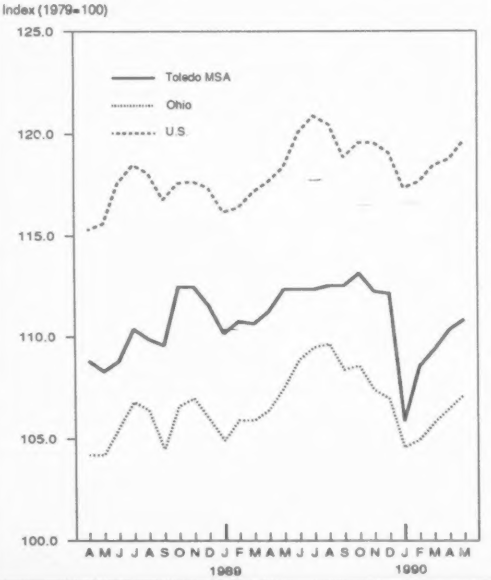


Nonfarm payroll employment in the Toledo metropolitan area declined 900 from the May level to 299,200 in June 1990. Seasonal layoffs of nonteaching personnel in state and local schools and colleges overshadowed a moderate gain in services, lowering employment in service-producing industries 1,900. The number of jobs in goods-producing industries increased 1,000 over the month to 73,500 due to more business in construction and improvements in manufacturing, especially transportation equipment. Factory production workers averaged $13.55 per hour, down fractionally from May. Their average workweek of 43.6 hours was 0.2 hours longer.

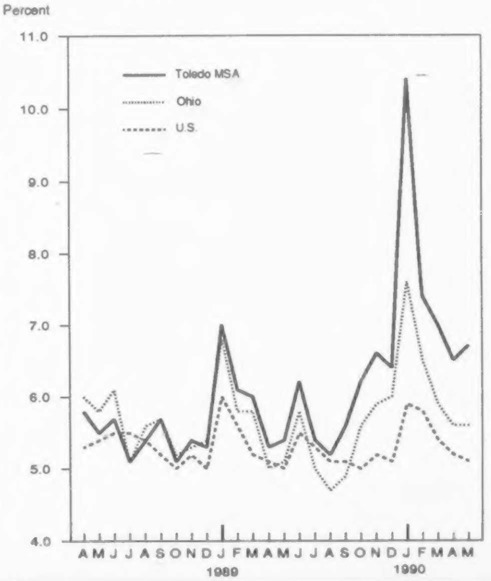
Nonagricultural wage and salary employment advanced 5,200 between June 1989 and June 1990. The improvement was concentrated in the service-producing sector. Leading growth industries were services (+2,500), retail trade (+2,000), and government (+1,200). Employment in goods-producing industries declined 1,000. Over-the-year reductions in manufacturing, particularly transportation equipment and industrial machinery and equipment, overshadowed modest expansion in construction.

Seasonally adjusted employment in the Toledo area increased 1,000 above the May level to 299,000 in June 1990 primarily due to a gain in government. Since June 1989, total payroll employment advanced 5,000. Growth in retail trade, services, and government outweighed a decrease in manufacturing.

Indexes of Total Employment
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]



Unemployment Rates
Toledo MSA, Ohio and U.S. [Not Seasonally Adjusted]



Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
320.2	300.4	19.8	6.2	June	294.0	62.1	44.4	571.54	43.2	13.23
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
317.8	296.4	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
INA	INA	INA	INA	June	299.2	60.1	43.2	590.78	43.6	13.55

INA – information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
294	74	12	62	June	220	14	16	58	12	76	43
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	60	12	78	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	299.2	300.1	294.0	-.9	5.2
Goods-Producing Industries[e]	73.5	72.5	74.5	1.0	-1.0
Construction	13.1	12.6	12.2	.5	1.0
Manufacturing	60.1	59.6	62.1	.5	-2.0
Durable Goods[f]	45.1	44.5	46.2	.6	-1.1
Stone, Clay, and Glass Products	7.8	7.6	8.0	.1	-.2
Primary Metal Industries	3.6	3.5	3.4	.1	.1
Fabricated Metal Products	7.3	7.2	7.2	.1	.1
Metal Forgings and Stampings	2.6	2.6	2.9	.0	-.3
Industrial Machinery and Equipment	5.6	5.7	6.2	-.1	-.6
Transportation Equipment	14.0	13.7	14.7	.3	-.7
Nondurable Goods[g]	15.0	15.1	15.9	-.1	-.9
Food and Kindred Products	3.9	3.9	4.0	.0	-.1
Rubber and Miscellaneous Plastics Products	4.1	4.0	4.3	.0	-.2
Service-Producing Industries	225.7	227.6	219.4	-1.9	6.3
Transportation and Public Utilities	14.7	14.6	14.3	.1	.4
Transportation	9.8	9.7	9.4	.1	.4
Communications, Electric, Gas Services	4.9	4.9	4.9	.0	.0
Wholesale Trade	16.4	16.2	15.9	.1	.4
Wholesale Trade-Durable Goods	10.8	10.7	10.5	.1	.3
Wholesale Trade-Nondurable Goods	5.6	5.5	5.4	.0	.1
Retail Trade	60.6	60.2	58.6	.4	2.0
General Merchandise Stores	8.0	8.0	8.1	.0	-.1
Finance, Insurance, and Real Estate	12.1	12.1	12.3	.1	-.2
Finance	6.3	6.3	6.5	.0	-.2
Insurance	3.7	3.7	3.7	.0	.0
Services	79.4	78.3	76.9	1.1	2.5
Business Services	14.0	13.6	13.5	.4	.5
Personnel Supply Services	5.4	5.2	5.3	.3	.2
Health Services	27.8	27.7	27.6	.1	.2
Nursing and Personal Care Facilities	4.1	4.1	4.2	.0	.0
Hospitals	15.1	15.1	15.2	.0	.0
Engineering and Management Services	6.5	6.3	6.0	.1	.4
Government	42.5	46.3	41.3	-3.7	1.2
Federal Government	3.2	3.5	2.7	-.3	.5
State Government	14.2	17.4	13.7	-3.2	.5
State Government Education[h]	9.7	13.0	9.4	-3.3	.3
Local Government	25.1	25.4	25.0	-.3	.1
Local Government Education	14.4	14.9	14.3	-.5	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

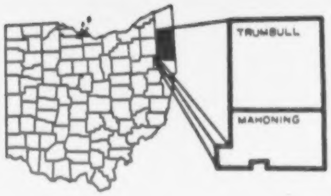
Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$590.78	$589.37	$571.54	43.6	43.4	43.2	$13.55	$13.58	$13.23
Durable Goods[f]	594.58	601.68	577.92	43.4	43.6	43.0	13.70	13.80	13.44
Stone, Clay, and Glass Products	565.01	548.23	459.89	44.7	43.1	40.2	12.64	12.72	11.44
Primary Metal Industries	557.83	550.14	482.63	47.8	46.9	42.9	11.67	11.73	11.25
Fabricated Metal Products	514.07	523.18	468.29	43.9	44.3	41.7	11.71	11.81	11.23
Metal Forgings and Stampings	707.19	730.97	624.46	43.6	44.9	41.3	16.22	16.28	15.12
Industrial Machinery and Equipment	526.15	487.47	492.69	43.7	41.7	42.4	12.04	11.69	11.62
Transportation Equipment	748.61	767.80	768.40	42.9	43.6	45.2	17.45	17.61	17.00
Nondurable Goods[g]	576.81	550.41	550.95	44.2	42.8	43.9	13.05	12.86	12.55
Food and Kindred Products	673.13	615.53	667.81	46.2	43.5	46.7	14.57	14.15	14.30
Rubber and Miscellaneous Plastics Products	399.40	376.82	381.93	42.9	41.5	43.5	9.31	9.08	8.78
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	659.16	652.80	587.71	42.2	41.9	40.7	15.62	15.58	14.44
Wholesale Trade	419.69	416.52	405.73	40.2	40.4	39.7	10.44	10.31	10.22
Retail Trade[i]	164.83	164.77	162.25	27.2	27.1	27.5	6.06	6.08	5.90
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	359.20	352.34	340.65	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor- management disputes.

YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

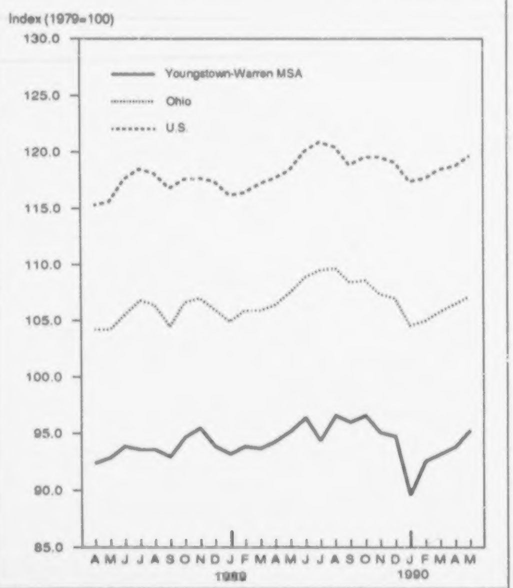


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 1,200 above the May level to 205,500 in June 1990. More business in construction and increased production in manufacturing, especially transportation equipment, raised employment in goods-producing industries 900 to 59,200. The workforce in service-producing industries added 300 jobs over the month. Modest gains in services, retail trade, and wholesale trade more than offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $14.70 per hour, up 18 cents from May. Their average workweek of 43.5 hours was 0.2 hours longer.

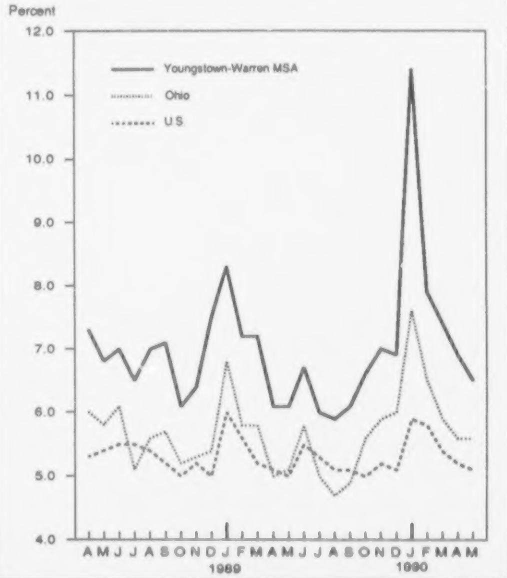
Nonfarm wage and salary employment advanced 5,200 between June 1989 and June 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were services (+1,900), retail trade (+1,300), and wholesale trade (+1,100). Employment in goods-producing industries declined 400. Over-the-year reductions in durable-goods manufacturing, particularly primary metal industries and transportation equipment, negated slight improvements in nondurable-goods manufacturing and construction.

Seasonally adjusted employment in the Youngstown-Warren area increased 1,000 from May to 203,000 in June 1990 . Since June 1989, total payroll employment advanced 5,000. Noteworthy growth occurred in services, wholesale trade, retail trade, and government.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]



Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
		Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
227.1	211.9	15.2	6.7	June	200.4	50.8	38.7	598.53	42.6	14.05
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.5	May	204.4	49.8	37.5	628.72	43.3	14.52
INA	INA	INA	INA	June	205.5	50.2	37.8	639.45	43.5	14.70

INA – information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
198	58	8	50	June	139	8	11	42	9	46	24
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
203	58	8	50	June	145	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	205.5	204.4	200.4	1.2	5.2
Goods-Producing Industries[e]	59.2	58.3	59.6	.9	-.4
Construction	8.5	8.1	8.3	.4	.2
Manufacturing	50.2	49.8	50.8	.4	-.6
Durable Goods[f]	44.8	44.4	45.8	.4	-1.0
Primary Metal Industries	18.6	18.8	18.9	-.1	-.3
Blast Furnace and Basic Steel Products	6.1	6.0	6.3	.0	-.2
Fabricated Metal Products	7.4	7.2	7.5	.1	-.1
Metal Forgings and Stampings	3.9	3.9	3.8	.0	.0
Industrial Machinery and Equipment	4.3	4.3	4.4	.0	.0
Transportation Equipment	9.5	9.0	9.7	.4	-.2
Nondurable Goods[g]	5.4	5.3	5.0	.0	.3
Service-Producing Industries	146.3	146.0	140.8	.3	5.5
Transportation and Public Utilities	8.0	8.0	7.8	.0	.2
Wholesale Trade	12.2	11.9	11.0	.3	1.1
Wholesale Trade-Durable Goods	7.4	7.4	7.1	.0	.3
Wholesale Trade-Nondurable Goods	4.8	4.5	3.9	.3	.8
Retail Trade	43.8	43.4	42.5	.4	1.3
General Merchandise Stores	5.2	5.1	5.3	.1	-.1
Finance, Insurance, and Real Estate	8.9	8.8	8.8	.1	.1
Finance	4.8	4.7	4.7	.0	.1
Services	48.8	48.1	46.9	.7	1.9
Health Services	21.3	21.1	20.9	.2	.4
Nursing and Personal Care Facilities	4.8	4.9	4.7	.0	.1
Hospitals	10.8	10.6	10.7	.2	.1
Government	24.6	25.9	23.8	-1.2	.8
State Government	4.5	4.4	4.6	.1	-.1
State Government Education[h]	3.0	2.9	3.1	.1	-.1
Local Government	17.8	19.0	17.1	-1.2	.7
Local Government Education	10.9	12.2	10.4	-1.4	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$639.45	$628.72	$598.53	43.5	43.3	42.6	$14.70	$14.52	$14.05
Durable Goods[f]	656.18	645.36	614.33	43.6	43.4	42.9	15.05	14.87	14.32
Primary Metal Industries	708.72	695.70	667.36	43.4	43.4	43.0	16.33	16.03	15.52
Blast Furnace and Basic Steel Products	657.29	660.15	648.67	45.9	46.1	46.6	14.32	14.32	13.92
Fabricated Metal Products	654.59	650.51	630.65	45.3	45.3	46.1	14.45	14.36	13.68
Metal Forgings and Stampings	805.68	791.11	733.66	48.1	47.6	46.7	16.75	16.62	15.71
Industrial Machinery and Equipment	517.48	510.02	493.02	41.8	41.6	41.5	12.38	12.26	11.88
Transportation Equipment	717.05	696.69	658.14	44.9	43.9	43.1	15.97	15.87	15.27
Nondurable Goods[g]	459.14	462.67	417.69	42.2	42.8	39.0	10.88	10.81	10.71
Wholesale Trade	379.23	381.92	371.53	38.5	38.5	38.5	9.85	9.92	9.65
Retail Trade[i]	178.85	182.56	181.26	27.6	28.0	28.5	6.48	6.52	6.36
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	225.10	228.98	219.87	....	....	....	.....	.....	.....

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
In the Hamilton-Middletown metropolitan area, total nonfarm wage and salary employment fell 2,300 from May to 94,600 in June 1990. Seasonal layoffs of nonteaching personnel in state schools and colleges negated growth in services, lowering employment in service-producing industries 2,700. Cyclical upturns in construction and mining raised employment in goods-producing industries 400 to 27,700. Manufacturing production workers averaged $14.05 per hour, up 25 cents from May. Their average workweek was 0.7 hours longer at 46.5 hours. Nonagricultural payroll employment advanced 1,300 between June 1989 and June 1990. Service-producing industries added 1,600 employees primarily due to expansion in services, state government, and retail trade. Employment in goods-producing industries declined 300. Over-the-year reductions in manufacturing, particularly primary metal industries and paper and allied products, outweighed modest growth in construction and mining.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area totaled 75,800 in June 1990, up 600 from the May level. Modest improvements in services and retail trade raised employment in service-producing industries 400. Employment in goods-producing industries increased 200 over the month to 27,100 due to seasonal growth in construction and mining. Manufacturing production workers averaged $13.30 per hour, up 22 cents from May. Their average workweek of 42.5 hours was 0.5 hours longer. Nonfarm wage and salary employment advanced 2,000 between June 1989 and June 1990. Expansion in retail trade and services helped raise employment in service-producing industries 2,000. Employment in goods-producing industries was unchanged over the year as improvements in construction and mining counterbalanced a decrease in manufacturing. Reduced production in transportation equipment was partially offset by slight gains in fabricated metal products and industrial machinery and equipment.

Lorain–Elyria PMSA
Nonfarm wage and salary employment in the Lorain-Elyria metropolitan area rose 800 above the May level to 95,400 in June 1990. Goods-producing industries, at 32,900, gained 500 jobs due to growth in durable-goods manufacturing, notably transportation equipment, and seasonal upturns in construction and mining. Scattered increases in the service-producing sector raised employment 300. Manufacturing production workers averaged $13.58 per hour, down 11 cents from May. Their average workweek of 42.8 hours was 1.2 hours shorter. Nonagricultural payroll employment advanced 1,200 between June 1989 and June 1990. The expansion was concentrated in service-producing industries. Noteworthy gains occurred in retail trade, services, and transportation and public utilities. Employment in goods-producing industries declined 700. Over-the-year reductions in durable-goods manufacturing, especially transportation equipment, outweighed slight increases in construction and mining.

Mansfield MSA
Nonagricultural payroll employment in the Mansfield metropolitan area totaled 61,100 in June 1990, up 500 from May. Modest improvement in manufacturing, especially fabricated metal products, raised employment in goods-producing industries 300 to 20,800. Employment in service-producing industries increased 300. Improvements were posted in retail trade, finance, insurance, and real estate, and services. Manufacturing production workers averaged $13.50 per hour, up 27 cents from May. Their average workweek was 1.0 hours longer at 42.2 hours. Nonfarm wage and salary employment advanced 100 between June 1989 and June 1990. Service-producing industries added 1,000 jobs due mainly to growth in retail trade. Over-the-year reductions in durable-goods manufacturing, particularly fabricated metal products, dropped employment in goods-producing industries 900.

Steubenville–Weirton MSA
Total nonagricultural payroll employment in the Steubenville-Weirton metropolitan area rose 400 above the May level to 54,400 in June 1990. More business in construction raised employment in the goods-producing sector 300 to 20,700. Service-producing industries added 100 jobs. Modest growth in services offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $11.75 per hour, down 5 cents from May. Their average workweek was 0.4 hours shorter at 43.6 hours. Nonfarm wage and salary employment advanced 2,200 between June 1989 and June 1990. Expansion in service-producing industries, particularly services and retail trade, created 1,800 jobs. Employment in goods-producing industries rose 400 over the year primarily due to an increase in construction.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton-Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	131.5	132.1	132.2	-.6	-.7
Employment	123.5	123.8	125.0	-.3	-1.5
Unemployment	8.0	8.3	7.2	-.3	.8
Unemployment Rate	6.1	6.3	5.5		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton-Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	94.6	96.9	93.3	-2.3	1.3
Goods-Producing Industries	27.7	27.3	28.0	.4	-.3
Construction and Mining	6.3	6.0	5.7	.4	.7
Manufacturing	21.3	21.3	22.3	.0	-1.0
Durable Goods	14.7	14.7	15.4	.0	-.7
Primary Metal Industries	6.6	6.7	6.9	.0	-.3
Fabricated Metal Products	2.5	2.4	2.4	.0	.0
Industrial Machinery and Equipment	2.4	2.5	2.4	.0	.1
Nondurable Goods	6.6	6.6	6.9	.0	-.3
Paper and Allied Products	4.7	4.6	4.9	.0	-.3
Paper Mills	3.4	3.4	3.7	.0	-.3
Service-Producing Industries	66.9	69.7	65.4	-2.7	1.6
Transportation and Public Utilities	3.5	3.4	3.3	.0	.2
Wholesale Trade	5.7	5.7	5.7	.0	.1
Wholesale Trade–Durable Goods	3.9	3.9	3.9	.0	.1
Retail Trade	18.0	18.1	17.7	-.1	.3
Food Stores	3.0	3.0	3.1	.0	-.2
Finance, Insurance, and Real Estate	4.7	4.6	4.8	.0	-.1
Services	20.1	19.6	19.3	.5	.8
Health Services	8.5	8.3	8.1	.2	.4
Government	15.0	18.2	14.6	-3.2	.4
State Government	4.3	7.5	4.0	-3.3	.3
Local Government	10.0	9.8	10.0	.1	.0
Local Government Education	6.4	6.4	6.4	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton-Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$653.33	$632.04	$618.62	46.5	45.8	46.2	$14.05	$13.80	$13.39
Durable Goods	688.28	652.81	634.69	47.5	46.2	46.6	14.49	14.13	13.62
Primary Metal Industries	817.09	759.51	737.94	50.5	48.5	49.0	16.18	15.66	15.06
Fabricated Metal Products	517.83	504.19	513.95	42.1	41.6	42.3	12.30	12.12	12.15
Industrial Machinery and Equipment	657.51	639.73	686.35	50.5	49.4	53.0	13.02	12.95	12.95
Nondurable Goods	567.13	581.06	581.57	44.1	44.8	45.4	12.86	12.97	12.81
Paper and Allied Products	588.60	612.87	609.70	45.0	46.5	46.4	13.08	13.18	13.14
Paper Mills	594.96	605.53	626.18	44.6	45.7	46.8	13.34	13.25	13.38
Wholesale Trade	446.42	453.26	422.42	41.8	42.6	41.7	10.68	10.64	10.13
Retail Trade[i]	179.84	174.33	168.19	29.1	28.3	28.8	6.18	6.16	5.84

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	78.9	78.4	77.7	.5	1.2
Employment	73.7	73.2	73.5	.5	.2
Unemployment	5.2	5.2	4.2	.0	1.0
Unemployment Rate	6.6	6.6	5.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	75.8	75.2	73.8	.6	2.0
Goods-Producing Industries	27.1	26.9	27.2	.2	.0
Construction and Mining	3.7	3.5	3.4	.2	.2
Manufacturing	23.5	23.5	23.7	.0	-.3
Durable Goods	17.2	17.2	17.5	.0	-.4
Fabricated Metal Products	2.8	2.8	2.5	.1	.3
Industrial Machinery and Equipment	4.3	4.2	4.1	.1	.2
Transportation Equipment	7.3	7.3	8.0	-.1	-.8
Motor Vehicles and Equipment	3.6	3.6	3.8	.0	-.2
Nondurable Goods	6.3	6.3	6.2	.0	.1
Food and Kindred Products	1.9	1.8	1.8	.1	.0
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	-.1	.0
Service-Producing Industries	48.7	48.3	46.6	.4	2.0
Transportation and Public Utilities	3.3	3.3	3.0	.0	.3
Wholesale Trade	3.4	3.4	3.5	.0	.0
Retail Trade	15.1	15.0	14.1	.1	1.0
General Merchandise Stores	2.2	2.1	2.0	.1	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.0	14.8	14.4	.2	.6
Health Services	6.6	6.6	6.1	.0	.5
Hospitals	3.1	3.1	2.9	.0	.2
Government	9.7	9.7	9.5	.0	.2
Local Government	7.1	7.1	7.1	.0	.0
Local Government Education	4.2	4.3	4.1	-.1	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$565.25	$549.36	$568.10	42.5	42.0	43.3	$13.30	$13.08	$13.12
Durable Goods	561.80	548.94	568.94	42.4	42.0	43.2	13.25	13.07	13.17
Fabricated Metal Products	374.64	386.53	365.24	42.0	42.9	40.9	8.92	9.01	8.93
Industrial Machinery and Equipment	439.53	449.01	481.63	39.0	39.7	41.2	11.27	11.31	11.69
Transportation Equipment	725.12	691.65	696.78	44.0	42.8	44.1	16.48	16.16	15.80
Motor Vehicles and Equipment	847.33	781.80	809.28	47.1	44.7	48.0	17.99	17.49	16.86
Nondurable Goods	577.06	548.89	564.62	43.0	41.9	43.6	13.42	13.10	12.95
Food and Kindred Products	381.29	395.41	366.69	41.4	42.2	42.1	9.21	9.37	8.71
Rubber and Miscellaneous Plastics Products	650.48	572.46	631.92	47.0	43.9	47.8	13.84	13.04	13.22
Wholesale Trade	368.25	364.80	368.06	38.2	38.0	38.3	9.64	9.60	9.61
Retail Trade[j]	189.90	188.63	151.80	30.0	29.8	27.6	6.33	6.33	5.50
General Merchandise Stores	167.48	165.62	161.39	27.1	26.8	26.5	6.18	6.18	6.09

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	118.7	117.7	120.0	1.0	-1.3
Employment	110.7	110.2	112.7	.5	-2.0
Unemployment	8.0	7.5	7.3	.5	.7
Unemployment Rate	6.7	6.4	6.1		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	95.4	94.6	94.2	.8	1.2
Goods–Producing Industries	32.9	32.4	33.5	.5	-.7
Construction and Mining	4.5	4.3	4.3	.2	.2
Manufacturing	28.4	28.1	29.2	.2	-.9
Durable Goods	23.6	23.4	24.6	.2	-1.0
Primary Metal Industries	4.4	4.4	4.2	.0	.2
Fabricated Metal Products	4.2	4.2	4.3	.0	-.1
Transportation Equipment	7.7	7.5	8.4	.2	-.7
Nondurable Goods	4.8	4.7	4.6	.0	.1
Service–Producing Industries	62.5	62.2	60.7	.3	1.8
Transportation and Public Utilities	3.6	3.5	3.2	.0	.4
Wholesale Trade	2.4	2.4	2.5	.0	-.1
Retail Trade	17.6	17.4	17.0	.2	.7
Finance, Insurance, and Real Estate	3.3	3.2	3.2	.1	.1
Services	21.4	21.4	20.9	.0	.5
Health Services	8.7	8.6	8.4	.1	.3
Hospitals	4.2	4.2	4.1	.0	.1
Government	14.2	14.2	13.9	.0	.3
Local Government	11.8	11.7	11.9	.1	-.1
Local Government Education	7.7	7.9	7.5	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$581.22	$602.36	$584.55	42.8	44.0	43.3	$13.58	$13.69	$13.50
Durable Goods	614.54	638.32	614.60	43.4	44.7	43.9	14.16	14.28	14.00
Primary Metal Industries	630.63	622.49	601.81	44.1	43.5	43.8	14.30	14.31	13.74
Fabricated Metal Products	438.91	456.72	425.64	44.2	45.4	43.3	9.93	10.06	9.83
Transportation Equipment	776.89	830.12	732.48	44.7	47.3	43.6	17.38	17.55	16.80
Nondurable Goods	394.39	399.40	396.76	39.4	39.9	39.4	10.01	10.01	10.07
Wholesale Trade	361.94	366.14	361.55	38.3	38.5	38.3	9.45	9.51	9.44
Retail Trade[i]	166.78	162.86	168.58	26.9	26.1	27.5	6.20	6.24	6.13

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	64.3	64.3	65.6	.1	-1.3
Employment	60.0	60.0	62.1	.0	-2.1
Unemployment	4.4	4.3	3.5	.1	.9
Unemployment Rate	6.8	6.7	5.3		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	61.1	60.6	61.0	.5	.1
Goods–Producing Industries	20.8	20.5	21.7	.3	-.9
Construction and Mining	2.3	2.3	2.2	.0	.1
Manufacturing	18.5	18.3	19.5	.3	-1.0
Durable Goods	16.5	16.2	17.5	.2	-1.0
Fabricated Metal Products	5.4	5.3	5.8	.1	-.4
Electronic and Other Electric Equipment	3.3	3.2	3.3	.0	-.1
Nondurable Goods	2.1	2.1	2.0	.0	.1
Service–Producing Industries	40.3	40.1	39.3	.3	1.0
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.2	2.2	.0	.0
Retail Trade	12.6	12.4	11.8	.2	.8
Finance, Insurance, and Real Estate	2.5	2.4	2.5	.1	.0
Services	12.6	12.6	12.5	.1	.2
Health Services	4.4	4.4	4.3	.0	.0
Government	7.5	7.5	7.4	-.1	.1
Local Government	5.5	5.6	5.6	-.1	.0
Local Government Education	3.8	3.9	3.8	-.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$569.70	$545.08	$566.58	42.2	41.2	42.6	$13.50	$13.23	$13.30
Durable Goods	587.29	563.34	593.10	41.8	41.0	42.7	14.05	13.74	13.89
Fabricated Metal Products	729.64	658.88	793.41	42.2	40.2	44.3	17.29	16.39	17.91
Electronic and Other Electric Equipment	442.20	428.06	461.00	40.2	39.2	42.1	11.00	10.92	10.95
Nondurable Goods	414.05	386.64	338.82	45.6	43.2	42.3	9.08	8.95	8.01
Wholesale Trade	343.56	338.92	338.80	40.9	40.3	40.0	8.40	8.41	8.47
Retail Trade[i]	165.70	164.82	156.37	26.9	26.8	27.1	6.16	6.15	5.77

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[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville-Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	May 1990[b]	Apr. 1990[c]	May 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.2	57.0	56.6	.2	.6
Employment	53.7	53.7	52.8	.0	.9
Unemployment	3.5	3.3	3.8	.2	-.3
Unemployment Rate	6.1	5.8	6.7		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville-Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Total	54.4	54.0	52.2	.4	2.2
Goods-Producing Industries	20.7	20.5	20.3	.3	.4
Mining	1.0	1.0	.9	.0	.0
Construction	2.0	1.7	1.7	.3	.4
Manufacturing	17.7	17.8	17.7	.0	.0
Durable Goods	16.1	16.1	16.1	.0	.0
Primary Metal Industries	12.8	12.9	12.9	-.1	-.1
Nondurable Goods	1.6	1.6	1.6	.0	.1
Service-Producing Industries	33.7	33.6	31.9	.1	1.8
Transportation and Public Utilities	3.5	3.4	3.3	.0	.2
Wholesale Trade	1.4	1.4	1.4	.0	.0
Retail Trade	9.7	9.7	9.1	.0	.6
General Merchandise Stores	1.8	1.7	1.5	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	11.2	11.0	10.5	.2	.7
Health Services	4.6	4.6	4.6	.1	.1
Hospitals	2.5	2.4	2.5	.0	.0
Government	6.3	6.4	6.1	-.1	.2
Local Government	5.4	5.4	5.2	-.1	.2
Local Government Education	3.3	3.5	3.3	-.2	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville-Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]
Manufacturing	$512.30	$519.20	$508.08	43.6	44.0	43.5	$11.75	$11.80	$11.68
Durable Goods	539.21	543.87	538.80	44.6	44.8	44.9	12.09	12.14	12.00
Primary Metal Industries	576.05	575.71	564.53	45.9	45.8	45.6	12.55	12.57	12.38
Nondurable Goods	187.80	208.37	161.26	31.3	33.5	27.9	6.00	6.22	5.78
Wholesale Trade	336.31	332.59	319.35	39.8	39.5	38.2	8.45	8.42	8.36
Retail Trade[j]	162.33	163.03	165.88	27.1	27.4	29.0	5.99	5.95	5.72

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12^{th} of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12^{th} of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12^{th} of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12^{th} of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12^{th} of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	June 1990	May 1990	June 1989
New Applicants	32,579	35,050	34,620
Active File of Job Seekers	186,512	203,235	242,715
Counseling Interviews	720	847	628
Tests Administered	1,666	2,272	1,684
General Aptitude Tests	247	236	190
Proficiency Tests	264	223	270
Specific Aptitude Tests	185	323	137
Referrals to Jobs	23,230	28,586	24,866
Placements	6,414	5,770	5,741
Job Openings Received	11,580	12,605	12,381
Job Openings Unfilled	19,766	21,843	20,920

Selected Unemployment Insurance Activities

	Ohio		
	June 1990	May 1990	June 1989
Initial Claims	38,085	43,125	45,358
Continued Claims	310,847	398,808	302,036
First Payments	17,406	17,720	17,178
Last Payments	6,553	7,102	6,522
Average Weekly Claimants	76,198	83,033	71,428
Average Weekly Benefit Recipients	67,701	74,441	61,029
Weeks Compensated	291,559	344,711	283,746
Benefits Paid	$47,559,690	$56,753,663	$43,220,041
Average Weekly Payment	$166.79	$168.39	$158.00
Continued Claims for Survey Week	75,642	80,234	70,714
Insured Unemployment Rate	1.7	1.8	1.6
Net Contributions	$6,110,441	$277,753,987	$5,928,093
Active Employer Accounts	207,048	205,506	203,748

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Ohio
Labor
Market
Information

Labor Market Review

July 1990

Summary. The seasonally adjusted unemployment rate in Ohio rose from 5.2 percent in June to 5.7 percent in July. The U.S. rate also increased over the month, going from 5.2 percent to 5.5 percent. Ohio's total employment dropped 31,000 from June to 5,104,000 in July. There were 307,000 jobless Ohioans in July, up 23,000 from June. Nonagricultural wage and salary employment (seasonally adjusted) totaled 4,927,000 in July, down fractionally from June. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries declined 6,000 from June to 1,335,000 in July. Decreases in transportation equipment and primary metal industries lowered durable-goods employment 4,000 to 746,000. Nondurable-goods employment, at 373,000, was down 1,000 due to losses in rubber and miscellaneous plastics products. A decline in general building contractors lowered construction employment 1,000 to 198,000 in July, while mining employment remained at 18,000.

Service-Producing Industries. There were 3,592,000 people employed in service-producing industries in July, up 5,000 from June. Services added 5,000 jobs, while wholesale trade increased 1,000. Little change occurred in transportation and public utilities, retail trade, or finance, insurance, and real estate. The loss of temporary census workers was partially offset by an increase in local education, lowering government employment 1,000 from June.

Over the Year. Ohio's unemployment rate increased from 5.5 percent in July 1989 to 5.7 percent in July 1990. The national rate rose from 5.3 percent to 5.5 percent over the year. Total employment in Ohio was down 20,000 from July 1989, while total unemployment was 11,000 higher. Since July 1989, nonfarm payroll employment advanced 118,000. The largest gains were in services (+41,000), retail trade (+33,000), and government (+16,000). Wholesale trade and construction also had notable increases. Manufacturing employment rose 1,000 over the year. Scattered gains among producers of nondurable goods, especially printing and publishing, counterbalanced declines in industrial machinery and equipment and in electronic and other electric equipment.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $535.09 per week in July, down $12.73 from June. Their average workweek declined 0.6 hours to 42.4 hours. Most industries had decreased earnings due to less overtime in July. The most significant were motor vehicles and equipment, iron and steel foundries, metal forgings and stampings, and blast furnace and basic steel products.

Benefits and Costs. There were 66,696 initial claims filed under the Ohio Unemployment Compensation Law in July, up 75.1 percent from June and up 6.5 percent from July 1989.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Total benefits paid declined 5.7 percent to $44.8 million. The average weekly benefit check of $166.25 was 54 cents lower than in June. The average weekly number of benefit recipients, at 66,915, was down 1.2 percent. At the end of July, there were 207,019 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 34,159 new job applicants in July, up 4.8 percent from June, and up 26.4 percent from July 1989. The Employment Services Division made 25,314 job referrals and 7,342 placements in July, up 9.0 percent and 14.5 percent from June, respectively.

Collection Method Alternatives For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1990	Jun. 1990	Jul. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,411	5,419	5,420	-8	-9	-.1	-.2
Employment	5,104	5,135	5,124	-31	-20	-.6	-.4
Unemployment	307	284	296	23	11	8.1	3.7
Unemployment Rate	5.7	5.2	5.5				
Employer Survey Data[e]							
Total	4,927	4,928	4,809	-1	118	.0	2.5
Goods-Producing Industries	1,335	1,341	1,325	-6	10	-.5	.8
Mining	18	18	15	0	3	-.4	19.8
Coal Mining	7	8	5	0	3	-.4	62.5
Oil and Gas Extraction	6	6	6	0	0	-1.0	-1.1
Construction	198	199	192	-1	6	-.5	3.3
General Building Contractors	47	47	46	-1	1	-1.4	1.6
Heavy Construction, Except Building	22	23	23	0	-1	-1.3	-2.3
Special Trade Contractors	129	129	123	0	6	.0	4.9
Manufacturing	1,119	1,124	1,118	-5	1	-.5	.1
Durable Goods	746	750	749	-4	-4	-.6	-.5
Lumber and Wood Products	23	23	22	0	1	-.1	4.8
Furniture and Fixtures	15	15	15	0	0	-1.2	-1.5
Stone, Clay, and Glass Products	46	46	45	0	0	-.5	.4
Primary Metal Industries	100	101	102	-1	-1	-.8	-1.3
Fabricated Metal Products	137	136	136	1	1	.4	.7
Industrial Machinery and Equipment	167	166	169	0	-2	.1	-1.1
Electronic and Other Electric Equipment	78	78	79	0	-2	-.2	-2.1
Transportation Equipment	139	142	139	-3	0	-2.4	.0
Instruments and Related Products	26	26	27	0	-1	-.8	-3.4
Nondurable Goods	373	374	369	-1	4	-.2	1.2
Food and Kindred Products	63	64	63	0	1	-.3	1.1
Apparel and Other Textile Products	15	15	15	0	0	.0	1.0
Paper and Allied Products	38	38	38	0	0	.6	-.3
Printing and Publishing	76	76	74	0	2	.5	3.0
Chemicals and Allied Products	66	66	65	0	1	.1	1.7
Rubber and Misc. Plastics Products	96	97	96	-1	0	-1.3	.4
Service-Producing Industries	3,592	3,587	3,484	5	108	.1	3.1
Transportation and Public Utilities	219	219	215	0	4	.1	1.8
Transportation	130	129	124	1	5	.5	4.1
Communications, Electric, Gas Services	89	90	91	0	-1	-.5	-1.3

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Jul. 1990	Jun. 1990	Jul. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	273	272	264	1	9	.3	3.3
Wholesale Trade-Durable Goods	173	172	167	0	5	.2	3.0
Wholesale Trade-Nondurable Goods	100	100	97	0	4	.4	3.7
Retail Trade	937	937	904	0	33	.1	3.7
Building Materials and Garden Supplies	36	36	35	0	2	.2	4.3
General Merchandise Stores	130	129	127	0	3	.1	2.4
Food Stores	144	144	140	0	4	.1	2.9
Automotive Dealers and Service Stations	102	102	99	0	4	.2	3.6
Apparel and Accessory Stores	53	52	49	0	4	.8	8.6
Furniture and Homefurnishings Stores	34	34	32	0	2	-.1	6.1
Eating and Drinking Places	315	316	308	0	7	-.1	2.3
Miscellaneous Retail	123	123	115	0	8	.0	7.1
Finance, Insurance, and Real Estate	257	257	253	0	5	.1	1.8
Finance	121	121	120	0	1	.2	.8
Depository Institutions	91	91	91	0	0	.0	.0
Insurance	93	93	91	0	2	.2	2.1
Real Estate	43	44	42	0	2	-.2	4.2
Services	1,182	1,177	1,141	5	41	.4	3.6
Hotels and Other Lodging Places	39	39	38	0	1	.1	1.9
Personal Services	55	55	53	0	1	.2	2.7
Business Services	217	216	204	1	13	.6	6.4
Amusements, Including Motion Pictures	57	56	59	0	-2	.3	-4.0
Health Services	397	397	385	0	12	.0	3.1
Legal Services	30	30	28	0	2	.5	6.4
Educational Services	60	60	59	0	1	.2	1.5
Social Services	76	75	73	1	3	1.2	4.6
Membership Organizations	81	81	78	0	3	.5	3.9
Engineering and Management Services	88	87	85	1	3	1.1	3.3
Government	723	725	707	-1	16	-.2	2.3
Federal Government	96	100	97	-4	-2	-3.9	-1.8
State Government	162	163	158	-1	5	-.4	2.9
State Government Education	84	84	82	0	2	.1	2.9
Local Government	465	462	452	3	14	.7	3.0
Local Government Education	271	268	264	3	7	1.1	2.7

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,294	5,000	294	5.6	5.5	July
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July

Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

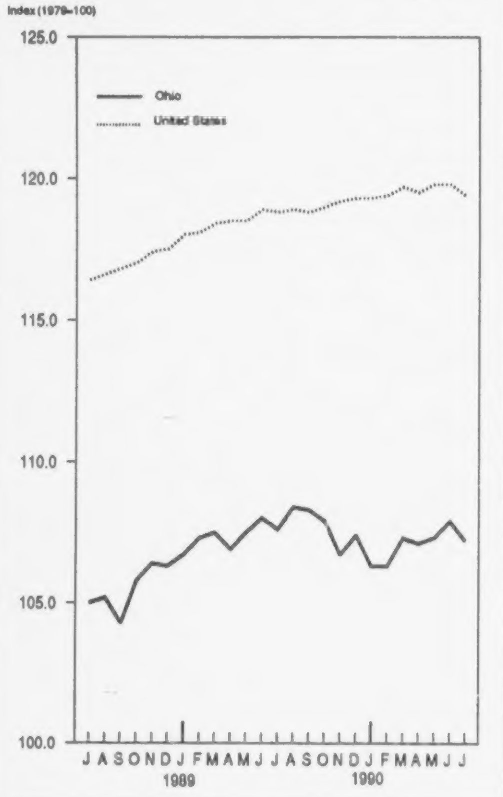
	Nonagricultural Employment				
		Goods-Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
July	4,713	1,319	19	186	1,114
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,892	1,341	18	199	1,124
March	4,905	1,340	18	200	1,122
April	4,904	1,340	18	199	1,122
May	4,917	1,337	18	198	1,121
June	4,928	1,341	18	199	1,124
July	4,927	1,335	18	198	1,119

Service-Producing Employment
(In Thousands)

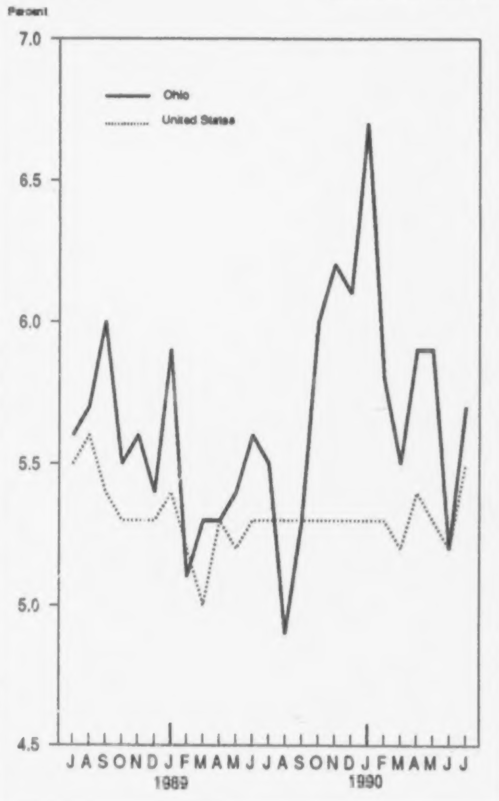
Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,393	213	July	258	879	249	July	1,099	695
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,592	219	July	273	937	257	July	1,182	723

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

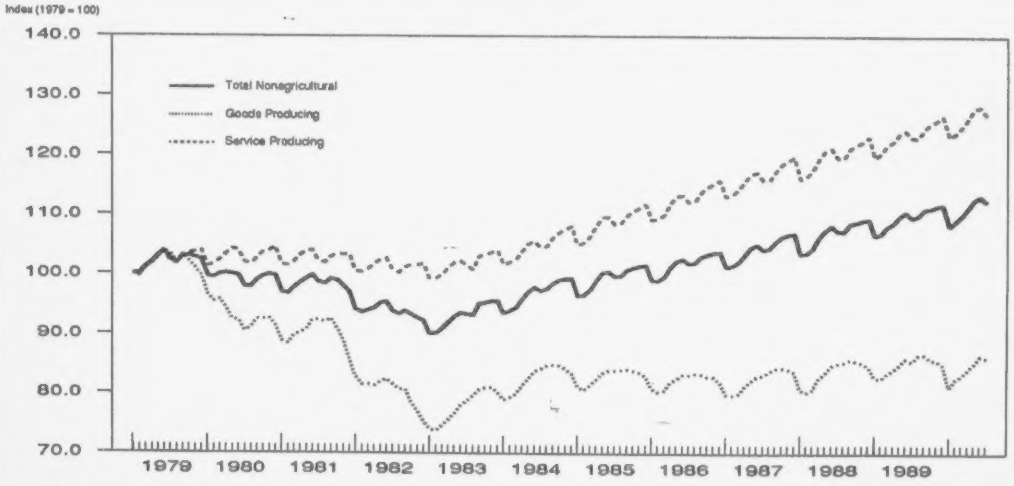
Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)



Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

	Civilian Labor Force			Unemployment Rates	
	Total	Employed	Unemployed	Ohio	U.S.
1979	5,059	4,760	299	5.9	5.8
1980	5,089	4,663	426	8.4	7.1
1981	5,100	4,608	492	9.6	7.6
1982	5,114	4,474	640	12.5	9.7
1983	5,099	4,478	621	12.2	9.6
1984	5,089	4,609	480	9.4	7.5
1985	5,135	4,680	455	8.9	7.2
1986	5,232	4,806	425	8.1	7.0
1987	5,253	4,886	367	7.0	6.2
1988	5,322	5,002	320	6.0	5.5
1989	5,419	5,118	300	5.5	5.3
1989					
July	5,483	5,210	273	5.0	5.3
August	5,481	5,223	259	4.7	5.1
September	5,425	5,158	267	4.9	5.1
October	5,477	5,169	308	5.6	5.0
November	5,434	5,113	321	5.9	5.2
December	5,421	5,094	328	6.0	5.1
1990					
January	5,391	4,979	412	7.6	5.9
February	5,344	4,998	346	6.5	5.8
March	5,353	5,035	318	5.9	5.4
April	5,373	5,071	302	5.6	5.2
May	5,409	5,104	305	5.6	5.1
June	5,481	5,179	302	5.5	5.3
July	5,472	5,194	278	5.1	5.5

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1979	4,484.8	1,596.8	31.6	182.9	1,382.3
1980	4,367.4	1,462.5	30.7	167.4	1,264.3
1981	4,317.7	1,417.0	30.7	153.7	1,232.6
1982	4,124.3	1,264.8	30.3	134.6	1,099.9
1983	4,092.5	1,223.4	26.6	130.8	1,066.0
1984	4,260.2	1,299.7	27.8	144.8	1,127.0
1985	4,372.9	1,304.3	26.1	154.0	1,124.2
1986	4,471.4	1,293.1	22.6	160.7	1,109.8
1987	4,582.6	1,296.2	20.9	176.4	1,098.9
1988	4,700.6	1,315.1	18.9	185.6	1,110.6
1989	4,817.2	1,333.9	17.8	193.1	1,123.0
1989					
July	4,815.3	1,343.2	15.4	209.6	1,118.2
August	4,830.3	1,358.7	18.5	212.3	1,128.0
September	4,877.8	1,361.7	18.5	211.8	1,131.4
October	4,885.7	1,347.1	18.6	212.3	1,116.3
November	4,900.8	1,346.8	18.3	205.5	1,123.0
December	4,909.6	1,335.6	18.1	195.8	1,121.7
1990					
January	4,752.1	1,275.5	17.6	170.6	1,087.3
February	4,790.2	1,297.3	17.3	166.2	1,113.8
March	4,834.5	1,307.0	17.5	174.7	1,114.8
April	4,889.3	1,324.4	17.7	188.3	1,118.4
May	4,949.2	1,338.0	18.0	199.6	1,120.5
June	4,977.7	1,357.5	18.4	209.5	1,129.7
July	4,932.6	1,353.6	18.5	216.3	1,118.8

Service–Producing Employment
(in thousands)

	Total	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
1979	2,888.0	232.1	234.0	741.2	200.6	806.2	674.0
1980	2,904.9	223.1	231.7	725.5	203.8	830.9	689.9
1981	2,900.7	217.2	233.6	716.5	205.8	851.6	676.0
1982	2,859.5	206.8	227.1	702.3	206.4	857.3	659.6
1983	2,869.2	198.5	223.6	709.9	207.8	873.3	656.1
1984	2,960.5	203.9	237.9	746.8	211.5	905.2	655.2
1985	3,068.5	202.7	245.1	786.5	219.3	949.5	665.2
1986	3,178.4	203.4	245.7	817.1	232.3	1,001.0	678.9
1987	3,286.4	207.8	249.4	846.9	243.8	1,051.2	687.3
1988	3,385.5	212.1	256.4	877.4	249.0	1,096.8	693.8
1989	3,483.3	215.9	264.0	904.2	252.6	1,140.8	705.7
1989							
July	3,472.1	217.5	265.8	910.3	255.9	1,158.8	663.8
August	3,471.5	218.5	265.7	915.4	256.1	1,160.0	655.8
September	3,516.0	219.0	266.0	916.8	254.9	1,165.8	693.6
October	3,538.6	219.4	268.0	919.7	254.1	1,156.2	721.2
November	3,554.0	219.4	268.5	933.3	254.3	1,152.0	726.5
December	3,574.0	220.4	269.6	949.1	254.7	1,150.5	729.7
1990							
January	3,476.5	213.7	266.4	905.9	253.6	1,122.6	714.2
February	3,492.9	213.7	266.2	897.5	253.8	1,133.2	728.6
March	3,527.5	215.0	267.7	906.6	255.0	1,147.7	735.5
April	3,564.8	216.5	269.5	922.0	255.5	1,167.6	733.7
May	3,611.1	218.6	271.5	936.7	256.8	1,180.4	747.2
June	3,620.2	220.7	274.0	945.9	259.3	1,196.9	723.4
July	3,579.0	221.4	274.7	943.7	260.5	1,199.6	679.1

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment / Production Workers in Manufacturing

Manufacturing Employment: Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)		Production Workers in Manufacturing: Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1,382.3	978.1	404.2	1979	979.0	$318.5	40.6
1,264.3	880.3	384.1	1980	867.8	301.9	35.2
1,232.6	858.2	374.4	1981	847.7	330.4	34.7
1,099.9	750.5	349.4	1982	735.7	297.1	29.5
1,066.0	721.9	344.1	1983	721.6	315.5	29.9
1,127.0	771.7	355.4	1984	781.5	362.3	33.1
1,124.2	767.0	357.3	1985	773.4	369.7	32.5
1,109.8	751.0	358.8	1986	758.5	369.1	31.9
1,098.9	738.9	360.0	1987	751.4	375.5	32.0
1,110.6	747.3	363.4	1988	762.3	393.0	32.8
1,123.0	753.2	369.8	1989	770.6	403.4	32.9
			1989			
1,118.2	748.2	370.0	July	767.2	390.9	32.1
1,128.0	754.9	373.1	August	774.0	398.2	32.6
1,131.4	755.5	375.9	September	776.2	408.6	33.1
1,116.3	742.1	374.2	October	765.6	398.9	32.5
1,123.0	749.5	373.5	November	770.4	405.9	32.9
1,121.7	750.0	371.7	December	769.6	405.9	32.8
			1990			
1,087.3	719.3	368.0	January	735.8	376.7	30.9
1,113.8	745.8	368.0	February	761.0	394.7	31.9
1,114.8	746.1	368.7	March	761.9	403.1	32.2
1,118.4	748.5	369.9	April	765.2	395.7	31.8
1,120.5	749.3	371.2	May	766.2	415.5	32.8
1,129.7	754.2	375.5	June	772.7	423.3	33.2
1,118.8	744.3	374.5	July	760.6	407.0	32.2

Production Worker Average Weekly Earnings / Production Worker Average Weekly Hours

Average Weekly Earnings: Manufacturing	Durable Goods	Nondurable Goods		Average Weekly Hours: Manufacturing	Durable Goods	Nondurable Goods
$325.36	$335.30	$297.78	1979	41.5	41.6	41.1
347.94	358.57	319.99	1980	40.6	40.7	40.2
389.78	401.64	358.16	1981	40.9	40.9	40.7
403.81	414.80	378.95	1982	40.1	40.0	40.4
437.18	452.35	402.52	1983	41.4	41.5	41.2
463.61	482.38	417.83	1984	42.3	42.5	41.7
477.96	499.56	425.80	1985	42.0	42.3	41.3
486.68	507.95	439.71	1986	42.1	42.4	41.6
499.70	519.52	455.03	1987	42.6	42.9	41.9
515.57	538.16	466.31	1988	43.0	43.4	42.2
523.50	542.23	478.19	1989	42.7	43.0	41.8
			1989			
509.50	526.23	474.44	July	41.9	42.2	41.4
514.46	530.02	478.40	August	42.1	42.3	41.6
526.49	545.67	484.15	September	42.7	43.0	42.1
521.10	539.30	482.69	October	42.4	42.7	41.9
526.92	545.24	484.68	November	42.7	43.0	42.0
527.39	546.12	485.62	December	42.6	42.9	41.9
			1990			
511.98	524.15	485.72	January	42.0	42.1	41.8
518.72	536.36	478.67	February	41.9	42.2	41.3
529.17	548.26	483.89	March	42.3	42.6	41.5
517.09	534.18	478.06	April	41.5	41.7	41.0
542.28	564.19	493.08	May	42.8	43.2	42.0
547.82	571.14	497.12	June	43.0	43.4	42.2
535.09	553.37	494.00	July	42.4	42.6	41.9

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1979	$7.84	$8.06	$7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	11.99	12.40	11.05
1989	12.26	12.61	11.44
1989			
July	12.16	12.47	11.46
August	12.22	12.53	11.50
September	12.33	12.69	11.50
October	12.29	12.63	11.52
November	12.34	12.68	11.54
December	12.38	12.73	11.59
1990			
January	12.19	12.45	11.62
February	12.38	12.71	11.59
March	12.51	12.87	11.66
April	12.46	12.81	11.66
May	12.67	13.06	11.74
June	12.74	13.16	11.78
July	12.62	12.99	11.79

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

	Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products	Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
1979	67.0	158.9	175.3	232.1	106.8	165.3	74.4	67.6	109.3
1980	62.0	139.8	157.5	219.2	96.5	138.6	72.7	67.4	95.1
1981	58.6	138.3	154.8	211.8	92.3	136.4	69.2	66.1	91.4
1982	52.1	112.7	134.9	183.4	84.7	121.1	66.9	63.2	82.4
1983	50.2	104.1	129.8	160.1	81.7	131.6	63.4	62.8	84.5
1984	50.5	108.9	138.8	173.1	85.4	144.4	62.8	65.1	92.7
1985	48.5	101.8	139.7	171.7	83.2	150.6	62.9	66.8	93.3
1986	47.5	95.4	136.8	163.9	82.0	153.2	63.0	68.4	94.5
1987	46.5	95.8	132.9	160.3	79.9	148.8	63.1	70.5	93.6
1988	46.0	100.8	135.2	163.9	80.0	142.8	62.5	72.5	93.4
1989	45.7	102.2	136.3	167.6	79.5	141.8	63.2	73.9	96.4
1989									
July	46.1	101.0	134.9	168.8	79.2	137.7	63.2	74.0	95.4
August	46.5	102.4	135.0	168.0	79.3	142.4	64.4	74.2	96.8
September	46.3	102.8	137.1	167.9	80.2	139.8	66.7	74.6	97.4
October	45.9	100.3	135.3	163.6	79.4	136.4	64.9	74.8	97.6
November	45.9	100.8	136.2	167.1	79.6	139.0	63.8	75.0	97.6
December	45.3	100.6	136.0	168.0	79.0	140.8	63.4	75.0	96.7
1990									
January	44.2	98.8	130.5	167.6	78.4	120.6	63.3	74.6	94.7
February	44.3	100.7	134.2	167.2	78.5	142.1	62.5	74.8	94.9
March	45.0	100.9	134.1	167.0	78.3	141.6	62.2	74.7	95.5
April	45.6	100.8	134.9	166.6	78.3	142.4	62.5	74.8	96.2
May	45.7	101.2	135.3	167.0	77.8	142.1	62.6	75.4	96.7
June	46.6	101.7	136.8	167.3	77.7	143.3	63.7	75.9	97.7
July	46.3	99.6	135.9	167.0	77.5	137.4	63.9	76.2	95.8

Average Weekly Earnings of Production Workers

	Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products	Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
1979	$293.34	$395.43	$323.38	$329.09	$289.27	$391.56	$304.50	$302.62	$300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1987	449.82	602.53	500.12	502.36	463.01	638.13	440.34	429.00	441.34
1988	470.37	626.44	513.17	526.24	466.07	673.91	446.04	445.22	446.95
1989	478.67	619.61	508.09	534.10	459.95	704.48	458.39	457.81	446.05
1989									
July	477.28	607.26	498.42	515.10	445.21	676.67	462.42	449.26	445.82
August	480.22	613.02	490.28	515.95	457.73	682.78	468.42	448.14	444.56
September	476.43	628.97	523.13	528.04	458.97	720.50	458.05	468.00	451.78
October	490.05	610.42	507.78	528.90	460.37	711.67	457.03	467.63	440.15
November	488.91	616.07	512.68	534.69	462.31	720.72	467.58	478.67	440.35
December	471.10	618.02	502.80	538.46	462.44	717.05	473.18	482.26	433.54
1990									
January	473.59	605.12	489.82	520.15	459.26	670.64	476.57	470.00	442.21
February	476.86	601.51	505.44	532.16	464.80	683.12	454.40	471.22	442.90
March	484.79	618.62	512.36	535.62	457.97	718.39	458.27	472.42	446.13
April	494.79	636.41	493.61	509.60	437.80	691.32	445.61	458.25	434.42
May	495.79	657.34	531.48	547.67	456.65	742.29	469.83	465.71	460.82
June	498.10	672.04	533.68	548.97	458.59	758.62	476.40	467.68	467.99
July	487.60	642.91	509.62	548.14	457.25	725.19	474.43	470.84	461.16

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	4932.6	4977.7	4815.3	-45.1	117.3
Goods-Producing Industries	1353.6	1357.5	1343.2	-3.9	10.3
Mining	18.5	18.4	15.4	.1	3.0
Coal Mining	7.5	7.5	4.6[i]	.0	2.9
Oil and Gas Extraction	5.7	5.6	5.7	.0	-.1
Construction	216.3	209.5	209.6	6.8	6.7
General Building Contractors	50.4	49.3	49.6	1.1	.8
Nonresidential Building Construction	24.7	24.3	25.2	.4	-.5
Heavy Construction, Except Building	26.6	25.7	27.3	1.0	-.6
Highway and Street Construction	9.6	9.3	10.2	.4	-.6
Special Trade Contractors	139.3	134.5	132.7	4.8	6.6
Manufacturing	1118.8	1129.7	1118.2	-10.9	.6
Durable Goods[f]	744.3	754.2	748.2	-9.9	-3.8
Lumber and Wood Products	24.0	23.8	22.8	.2	1.1
Millwork, Plywood and Structural Members	10.8	10.8	10.4	.1	.4
Furniture and Fixtures	15.3	15.4	15.5	-.2	-.2
Stone, Clay, and Glass Products	46.3	46.6	46.1	-.3	.2
Primary Metal Industries	99.6	101.7	101.0	-2.1	-1.4
Blast Furnace and Basic Steel Products	46.9	47.0	47.7	-.2	-.8
Iron and Steel Foundries	19.2	20.1	19.2	-.9	.0
Nonferrous Rolling and Drawing	15.8	16.6	16.3	-.8	-.4
Nonferrous Foundries	10.5	10.7	10.6	-.3	-.1
Fabricated Metal Products	135.9	136.8	134.9	-.9	1.0
Fabricated Structural Metal Products	30.2	30.3	30.5	-.1	-.3
Metal Forgings and Stampings	39.0	39.3	38.0	-.3	1.0
Industrial Machinery and Equipment	167.0	167.3	168.8	-.3	-1.9
Construction and Related Machinery	14.4	14.5	14.4	-.1	.0
Metalworking Machinery	47.4	47.2	48.5	.2	-1.1
Special Industry Machinery	17.1	17.3	17.3	-.2	-.2
General Industrial Machinery	26.0	26.0	26.3	.1	-.2
Computer and Office Equipment	11.5	11.3	11.5	.2	.1
Refrigeration and Service Machinery	15.5	15.9	16.7	-.4	-1.2
Electronic and Other Electric Equipment	77.5	77.7	79.2	-.3	-1.7
Electrical Industrial Apparatus	12.1	12.0	12.6	.0	-.5
Household Appliances	15.5	15.6	15.4	.0	.2
Electric Lighting and Wiring Equipment	16.2	16.4	16.5	-.2	-.2
Electronic Components and Accessories	11.4	11.5	11.4	-.1	.0
Transportation Equipment	137.4	143.3	137.7	-5.8	-.3
Motor Vehicles and Equipment	91.6	97.3	92.0	-5.7	-.3
Aircraft and Parts	36.9	37.0	36.6	-.1	.3
Instruments and Related Products	25.9	26.0	26.8	-.1	-.9
Measuring and Controlling Devices	15.8	15.9	16.4	-.1	-.5
Nondurable Goods[g]	374.5	375.5	370.0	-1.0	4.5
Food and Kindred Products	63.9	63.7	63.2	.2	.7
Dairy Products	10.8	10.8	10.3	.1	.5
Preserved Fruits and Vegetables	10.4	10.6	10.2	-.2	.2
Bakery Products	9.6	9.7	9.8	-.1	-.2
Apparel and Other Textile Products	15.0	15.2	14.9	-.2	.1
Paper and Allied Products	38.0	37.7	38.1	.3	-.1
Paperboard Containers and Boxes	13.9	13.8	13.8	.1	.2
Miscellaneous Converted Paper Products	12.3	12.4	12.3	.0	.1
Printing and Publishing	76.2	75.9	74.0	.3	2.3
Newspapers	19.4	19.3	18.6	.1	.8
Commercial Printing	27.8	27.7	27.3	.1	.6
Chemicals and Allied Products	67.1	66.9	66.0	.3	1.1
Plastics Materials and Synthetics	9.9	9.9	9.9	.0	.0
Rubber and Miscellaneous Plastics Products	95.8	97.7	95.4	-1.9	.4
Tires and Inner Tubes	16.0	16.0	15.6	.0	.4
Miscellaneous Plastics Products	57.7	59.1	57.1	-1.4	.6
Service-Producing Industries	3579.0	3620.2	3472.1	-41.1	106.9
Transportation and Public Utilities	221.4	220.7	217.5	.7	3.9
Transportation	131.1	130.4	126.0	.7	5.1
Railroad Transportation	12.3	12.3	13.1	.0	-.8
Trucking and Warehousing	78.6	77.6	75.7	1.0	3.0
Transportation by Air	14.4	14.3	13.3	.1	1.1
Communications, Electric, Gas Services	90.3	90.3	91.5	.0	-1.2
Communications	46.6	46.6	47.7	.0	-1.1
Electric, Gas, and Sanitary Services	43.8	43.7	43.9	.0	-.1

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Wholesale Trade	274.7	274.0	265.8	.7	8.9
Wholesale Trade-Durable Goods	173.7	173.2	168.6	.5	5.1
Motor Vehicles, Parts, and Supplies	23.1	23.1	23.0	.0	.1
Professional and Commercial Equipment	33.3	33.1	32.3	.1	1.0
Metals and Minerals, Except Petroleum	11.6	11.4	11.2	.1	.3
Electrical Goods	19.0	19.0	18.5	.1	.5
Hardware, Plumbing and Heating Equipment	13.1	13.0	12.7	.1	.5
Machinery, Equipment, and Supplies	43.7	43.6	42.0	.1	1.7
Wholesale Trade-Nondurable Goods	101.0	100.8	97.2	.2	3.7
Groceries and Related Products	33.4	33.3	31.8	.2	1.7
Retail Trade	943.7	945.9	910.3	-2.1	33.4
Building Materials and Garden Supplies	37.7	38.6	36.1	-.9	1.6
Lumber and Other Building Materials	19.0	19.3	18.4	-.2	.7
General Merchandise Stores	125.8	125.5	122.9	.4	2.9
Department Stores	102.4	102.2	100.1	.2	2.4
Variety Stores	13.7	13.6	13.1	.1	.6
Food Stores	145.0	144.7	140.9	.2	4.0
Grocery Stores	128.0	127.6	124.5	.4	3.4
Automotive Dealers and Service Stations	104.0	103.6	100.3	.4	3.7
New and Used Car Dealers	45.6	45.4	44.1	.1	1.5
Gasoline Service Stations	36.4	36.2	34.3	.2	2.1
Apparel and Accessory Stores	51.4	51.4	47.3	.0	4.1
Furniture and Homefurnishings Stores	33.2	33.3	31.3	-.1	1.9
Eating and Drinking Places	325.2	327.2	318.0	-2.0	7.2
Miscellaneous Retail	121.4	121.6	113.4	-.2	8.1
Drug Stores and Proprietary Stores	32.6	32.6	30.8	-.1	1.8
Nonstore Retailers	23.2	23.0	21.2	.2	2.0
Finance, Insurance, and Real Estate	260.5	259.3	255.9	1.2	4.6
Finance	122.0	121.4	121.1	.6	.9
Depository Institutions	91.8	91.5	91.9	.3	.0
Commercial Banks	65.0	64.6	64.3	.4	.8
Insurance	93.1	93.0	91.2	.1	1.9
Insurance Carriers	71.0	71.0	70.0	.0	1.0
Life Insurance	25.8	25.8	25.8	-.1	.0
Fire, Marine, and Casualty Insurance	32.2	32.0	30.8	.2	1.4
Real Estate	45.4	44.9	43.6	.6	1.8
Services	1199.6	1196.9	1158.8	2.8	40.8
Hotels and Other Lodging Places	41.2	40.5	40.4	.7	.8
Personal Services	54.0	54.3	52.6	-.2	1.4
Business Services	220.4	216.5	207.0	3.9	13.3
Services to Buildings	33.8	33.7	32.4	.1	1.5
Personnel Supply Services	76.9	74.7	72.3	2.2	4.6
Computer and Data Processing Services	28.1	27.7	25.7	.5	2.5
Amusements, Including Motion Pictures	71.2	69.9	74.1	1.3	-3.0
Health Services	399.4	397.3	387.6	2.1	11.9
Nursing and Personal Care Facilities	86.7	86.4	83.7	.3	3.1
Hospitals	193.0	192.0	188.9	1.0	4.1
Legal Services	30.9	30.7	29.0	.2	1.8
Educational Services	49.1	55.7	48.5	-6.6	.7
Colleges and Universities	24.7	28.3	24.4	-3.6	.3
Social Services	75.3	74.7	72.0	.6	3.3
Residential Care	23.6	23.3	22.2	.3	1.4
Membership Organizations	82.2	82.4	79.1	-.2	3.1
Engineering and Management Services	88.7	87.9	86.0	.8	2.8
Engineering and Architectural Services	27.5	27.3	26.7	.2	.7
Accounting, Auditing, and Bookkeeping	21.5	21.4	20.9	.1	.6
Research and Testing Services	19.6	19.5	19.0	.1	.6
Management and Public Relations	20.1	19.8	19.3	.3	.9
Government	679.1	723.4	663.8	-44.4	15.3
Federal Government	96.1	100.0	97.9	-3.9	-1.7
U.S. Postal Service	34.0	34.0	34.6	.0	-.6
State Government	144.9	159.9	140.7	-15.0	4.2
State Government Hospitals	16.2	16.1	16.0	.1	.2
State Government Education[h]	64.2	79.7	62.3	-15.5	1.9
Local Government	438.0	463.5	425.2	-25.5	12.9
Local Government Hospitals	15.1	15.0	14.8	.1	.3
Local Government Education	234.3	263.5	228.2	-29.2	6.1

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Goods-Producing Industries	$550.51	$561.43	$517.49	41.8	42.5	41.3	$13.17	$13.21	$12.53
Mining	614.31	634.20	547.78	44.1	45.3	44.9	13.93	14.00	12.20
Coal Mining	722.50	743.38	686.38	42.4	43.6	42.5	17.04	17.05	16.15
Construction	620.49	620.93	616.27	39.0	39.6	40.2	15.91	15.68	15.33
General Building Contractors	546.67	558.81	548.33	39.7	40.7	40.2	13.77	13.73	13.64
Heavy Construction, Except Building	621.23	669.11	683.63	38.3	41.1	42.7	16.22	16.28	16.01
Special Trade Contractors	641.85	630.24	624.49	38.9	39.0	39.6	16.50	16.16	15.77
Manufacturing	535.09	547.82	509.50	42.4	43.0	41.9	12.62	12.74	12.16
Durable Goods[f]	553.37	571.14	526.23	42.6	43.4	42.2	12.99	13.16	12.47
Lumber and Wood Products	317.07	312.27	328.03	39.0	38.6	40.2	8.13	8.09	8.16
Millwork, Plywood and Structural Members	368.72	358.80	343.92	41.9	41.1	40.7	8.80	8.73	8.45
Furniture and Fixtures	383.68	386.14	374.33	41.3	41.7	40.6	9.29	9.26	9.22
Stone, Clay, and Glass Products	487.60	498.10	477.28	42.4	43.2	42.5	11.50	11.53	11.23
Primary Metal Industries	642.91	672.04	607.26	44.4	45.5	43.5	14.48	14.77	13.96
Blast Furnace and Basic Steel Products	666.54	678.76	637.24	46.0	46.3	44.5	14.49	14.66	14.32
Iron and Steel Foundries	657.84	739.91	598.12	42.8	45.9	42.3	15.37	16.12	14.14
Nonferrous Rolling and Drawing	689.28	712.66	649.79	41.8	42.7	41.6	16.49	16.69	15.62
Nonferrous Foundries	471.68	491.57	438.84	44.0	45.6	42.4	10.72	10.78	10.35
Fabricated Metal Products	509.62	533.68	498.42	41.5	42.9	41.5	12.28	12.44	12.01
Fabricated Structural Metal Products	470.40	493.19	444.80	42.0	43.3	41.3	11.20	11.39	10.77
Metal Forgings and Stampings	627.00	670.96	616.56	41.8	44.2	42.0	15.00	15.18	14.68
Industrial Machinery and Equipment	548.14	548.97	515.10	43.4	43.5	42.5	12.63	12.62	12.12
Construction and Related Machinery	441.52	462.98	420.79	38.9	40.4	39.4	11.35	11.46	10.68
Metalworking Machinery	536.67	534.38	514.04	44.5	44.2	43.6	12.06	12.09	11.79
Special Industry Machinery	522.89	524.81	485.90	44.2	44.4	42.4	11.83	11.82	11.46
General Industrial Machinery	634.50	630.90	563.98	45.0	45.0	42.5	14.10	14.02	13.27
Computer and Office Equipment	476.32	479.76	475.51	41.6	41.9	42.8	11.45	11.45	11.11
Refrigeration and Service Machinery	587.23	595.30	576.24	41.5	41.6	42.0	14.15	14.31	13.72
Electronic and Other Electric Equipment	457.25	458.59	445.21	40.5	40.8	40.4	11.29	11.24	11.02
Electrical Industrial Apparatus	468.47	454.07	430.08	42.9	42.2	42.0	10.92	10.76	10.24
Household Appliances	472.75	477.56	486.81	39.2	39.5	40.5	12.06	12.09	12.02
Electric Lighting and Wiring Equipment	467.26	481.19	438.90	39.2	39.9	38.5	11.92	12.06	11.40
Electronic Components and Accessories	338.99	345.28	323.93	40.5	41.7	39.6	8.37	8.28	8.18
Transportation Equipment	725.19	758.62	676.67	44.3	45.7	43.6	16.37	16.60	15.52
Motor Vehicles and Equipment	752.85	797.01	696.86	44.6	46.5	43.8	16.88	17.14	15.91
Aircraft and Parts	670.26	662.56	653.23	44.3	44.2	43.9	15.13	14.99	14.88
Instruments and Related Products	399.37	390.22	390.32	40.3	39.9	41.0	9.91	9.78	9.52
Measuring and Controlling Devices	384.55	373.84	389.35	39.2	38.7	40.6	9.81	9.66	9.59
Nondurable Goods[g]	494.00	497.12	474.44	41.9	42.2	41.4	11.79	11.78	11.46
Food and Kindred Products	474.43	476.40	462.42	41.8	41.9	42.0	11.35	11.37	11.01
Dairy Products	488.42	484.34	468.66	43.3	42.9	42.8	11.28	11.29	10.95
Preserved Fruits and Vegetables	470.44	494.51	488.64	39.4	40.6	41.8	11.94	12.18	11.69
Bakery Products	502.14	500.12	476.77	40.3	40.3	39.5	12.46	12.41	12.07
Apparel and Other Textile Products	308.50	301.42	292.93	39.4	38.3	36.8	7.83	7.87	7.96
Paper and Allied Products	524.50	517.87	495.35	44.6	44.3	43.3	11.76	11.69	11.44
Paperboard Containers and Boxes	472.48	467.37	419.92	44.7	44.3	41.7	10.57	10.55	10.07
Miscellaneous Converted Paper Products	486.86	477.20	456.57	44.1	43.7	43.4	11.04	10.92	10.52
Printing and Publishing	470.84	467.68	449.26	39.7	39.6	39.1	11.86	11.81	11.49
Newspapers	372.24	375.62	372.52	33.0	33.3	33.5	11.28	11.28	11.12
Commercial Printing	477.24	471.24	443.19	41.0	40.8	40.4	11.64	11.55	10.97
Chemicals and Allied Products	605.06	621.52	576.77	42.7	43.8	42.1	14.17	14.19	13.70
Plastics Materials and Synthetics	670.56	663.80	667.42	44.0	43.7	44.2	15.24	15.19	15.10
Rubber and Miscellaneous Plastics Products	461.16	467.99	445.82	42.0	42.7	41.9	10.98	10.96	10.64
Tires and Inner Tubes	723.60	741.29	712.40	45.0	46.1	46.2	16.08	16.08	15.42
Miscellaneous Plastics Products	444.29	452.83	427.87	41.6	42.4	41.3	10.68	10.68	10.36
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	629.82	623.70	599.46	42.1	42.0	41.6	14.96	14.85	14.41
Communications	577.67	572.40	576.80	40.2	40.0	41.2	14.37	14.31	14.00
Electric, Gas, and Sanitary Services	689.75	681.12	625.61	44.3	44.2	42.1	15.57	15.41	14.86
Wholesale Trade	417.48	415.74	405.97	39.2	39.0	39.3	10.65	10.66	10.33
Wholesale Trade-Durable Goods	410.82	411.45	393.51	39.2	39.0	39.0	10.48	10.55	10.09
Motor Vehicles, Parts, and Supplies	359.28	361.19	339.96	38.1	37.9	37.9	9.43	9.53	8.97
Metals and Minerals, Except Petroleum	462.89	468.03	451.26	41.0	41.2	41.9	11.29	11.36	10.77
Wholesale Trade-Nondurable Goods	428.46	424.24	424.91	39.2	39.1	39.6	10.93	10.85	10.73

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

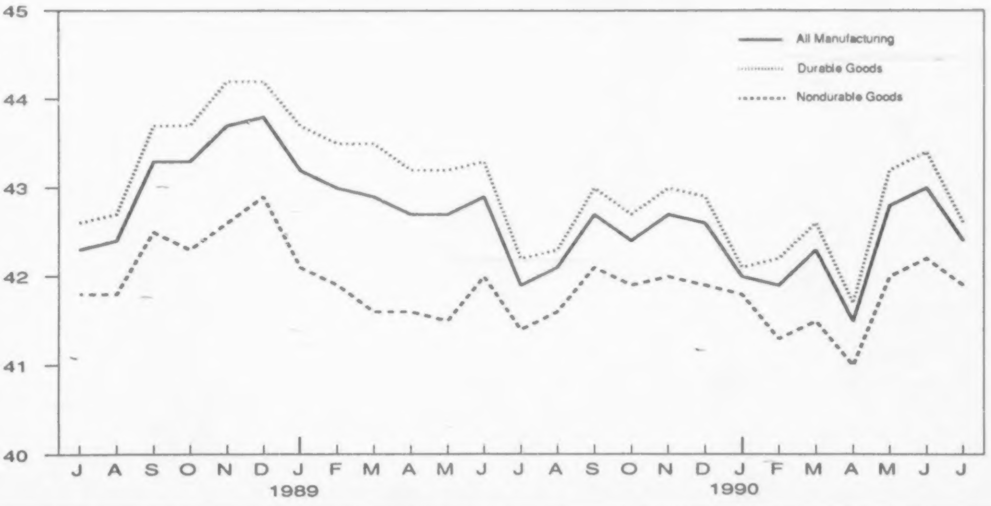
Not Seasonally Adjusted

Ohio (continued)

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Retail Trade[i]	$181.26	$179.35	$177.51	28.5	28.2	29.1	$6.36	$6.36	$6.10
General Merchandise Stores	195.45	192.55	186.00	28.7	28.4	29.2	6.81	6.78	6.37
Department Stores	200.97	196.94	190.51	29.0	28.5	29.4	6.93	6.91	6.48
Finance, Insurance, and Real Estate	351.61	350.81	339.74	....	....	....	.....	.....	.....
Finance	325.61	324.40	319.01	....	....	....	.....	.....	.....
Depository Institutions	278.86	277.00	274.46	....	...	....	.....	.....	.....
Commercial Banks	273.79	273.15	271.48	....	....	....	.....	.....	.....
Insurance	419.60	418.39	400.42	....	....	....	.....	.....	.....
Insurance Carriers	407.86	407.06	388.29	....	....	....	.....	.....	.....
Life Insurance	383.06	384.54	363.36	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	435.47	434.54	414.29	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	243.46	244.61	217.83	32.9	33.1	31.8	7.40	7.39	6.85
Health Services	320.32	314.15	301.14	32.0	31.7	31.9	10.01	9.91	9.44
Nursing and Personal Care Facilities	217.40	211.82	199.39	32.4	31.9	31.8	6.71	6.64	6.27
Hospitals	378.01	369.36	355.45	32.7	32.4	32.7	11.56	11.40	10.87
Engineering and Management Services	479.12	480.48	447.34	35.1	35.2	34.2	13.65	13.65	13.08
Engineering and Architectural Services	665.37	673.25	615.35	32.6	33.1	31.0	20.41	20.34	19.85
Research and Testing Services	382.70	378.07	342.05	35.8	35.6	33.9	10.69	10.62	10.09

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [f] Includes miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



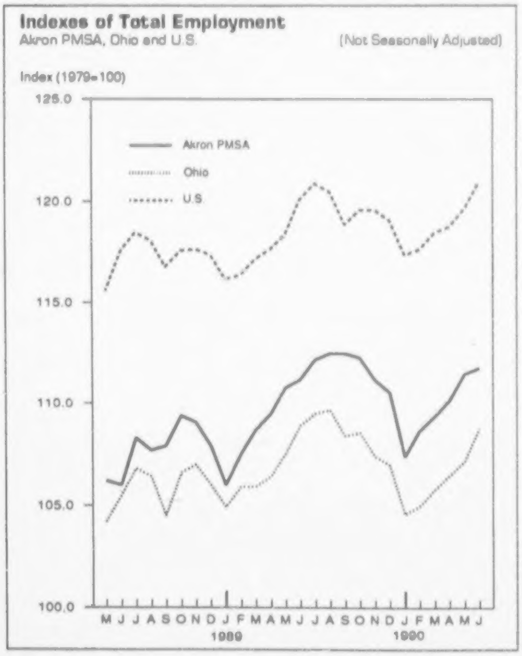
Akron Primary Metropolitan Statistical Area

Portage
Summit

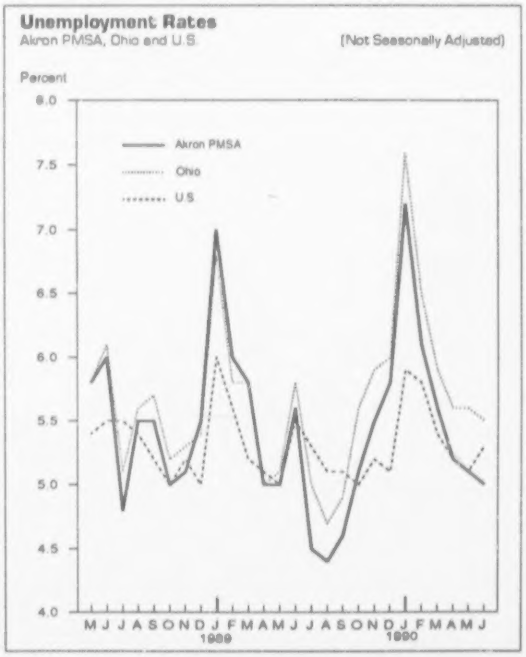
In the Akron metropolitan area, nonfarm payroll employment declined 1,300 from June to 289,800 in July 1990. The number of workers in service-producing industries dropped 1,100. Cyclical layoffs of nonteaching personnel in local and state schools and colleges and less business in retail trade outweighed an increase in services. Scattered decreases in manufacturing lowered employment in goods-producing industries 200 over the month to 79,500. Slight reductions were posted in fabricated metal products, industrial machinery and equipment, and transportation equipment. Factory production workers averaged $12.01 per hour, down 10 cents from June. Their average workweek of 42.7 hours was 0.6 hours shorter.

Nonagricultural wage and salary employment advanced 8,200 between July 1989 and July 1990. Service-producing industries gained 8,700 employees. A major portion of the growth occurred in services (+4,900) and in retail trade (+1,800). Employment in goods-producing industries decreased 500 during the period. Lowered production in durable-goods manufacturing, particularly transportation equipment and industrial machinery and equipment, overshadowed modest gains in construction.

Seasonally adjusted employment in the Akron area was unchanged from June at 291,000 in July 1990. Since July 1989, total payroll employment advanced 8,000. Leading growth industries were services (+4,000) and retail trade (+2,000). Manufacturing employment declined during the period.



Indexes of Total Employment
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Akron PMSA, Ohio and U.S. (Not Seasonally Adjusted)

Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
335.3	320.1	15.1	4.5	July	281.6	68.5	40.1	482.05	42.1	11.45
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.7	319.1	16.6	5.0	June	291.1	68.0	38.8	524.36	43.3	12.11
INA	INA	INA	INA	July	289.8	67.7	38.4	512.83	42.7	12.01

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
283	78	10	68	July	204	13	15	55	10	67	43
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	289.8	291.1	281.6	-1.3	8.2
Goods-Producing Industries[e]	79.5	79.8	80.0	-.2	-.5
Construction	11.2	11.1	10.9	.0	.3
Manufacturing	67.7	68.0	68.5	-.3	-.7
Durable Goods[f]	34.3	34.6	35.0	-.3	-.7
Fabricated Metal Products	10.9	11.1	10.8	-.2	.1
Fabricated Structural Metal Products	4.9	4.8	4.8	.1	.1
Industrial Machinery and Equipment	10.0	10.1	10.3	-.1	-.3
Metalworking Machinery	3.8	3.8	3.9	.0	.0
Electronic and Other Electric Equipment	2.5	2.5	2.6	.0	-.1
Transportation Equipment	4.8	4.9	5.3	-.1	-.4
Nondurable Goods[g]	33.4	33.4	33.5	.0	-.1
Food and Kindred Products	3.0	3.0	3.1	.0	-.1
Chemicals and Allied Products	3.7	3.7	3.8	.0	-.1
Rubber and Miscellaneous Plastics Products	20.7	20.7	20.5	.0	.2
Tires and Inner Tubes	11.5	11.5	11.3	.0	.2
Service-Producing Industries	210.3	211.3	201.6	-1.1	8.7
Transportation and Public Utilities	13.6	13.6	13.1	.1	.5
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	.0
Wholesale Trade	16.1	16.0	15.5	.1	.6
Retail Trade	56.9	57.4	55.1	-.5	1.8
General Merchandise Stores	7.5	7.6	7.3	-.1	.2
Food Stores	9.1	9.1	9.2	.0	-.1
Finance, Insurance, and Real Estate	10.8	10.7	10.5	.0	.2
Finance	5.4	5.4	5.4	.0	.0
Services	74.0	72.9	69.1	1.1	4.9
Business Services	12.5	12.2	11.5	.3	1.0
Personnel Supply Services	3.4	3.3	3.2	.1	.3
Amusements, Including Motion Pictures	9.9	9.0	8.1	.8	1.7
Health Services	22.4	22.2	21.6	.2	.8
Nursing and Personal Care Facilities	4.0	4.0	3.7	.1	.3
Hospitals	11.1	11.0	10.9	.0	.2
Social Services	4.7	4.7	4.6	.0	.1
Engineering and Management Services	5.4	5.3	5.0	.1	.4
Government	38.9	40.7	38.3	-1.8	.6
Federal Government	2.4	2.6	2.4	-.2	.0
State Government	11.6	12.2	11.2	-.6	.4
State Government Education[h]	8.5	9.2	8.2	-.7	.3
Local Government	24.8	26.0	24.6	-1.1	.2
Local Government Education	12.1	13.2	11.9	-1.1	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

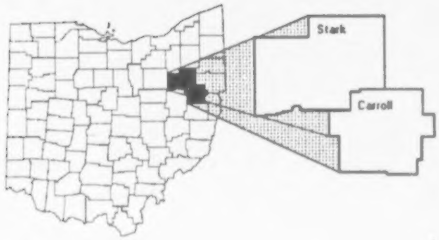
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$512.83	$524.36	$482.05	42.7	43.3	42.1	$12.01	$12.11	$11.45
Durable Goods[f]	520.38	541.29	484.36	42.9	43.9	41.9	12.13	12.33	11.56
Fabricated Metal Products	633.87	701.66	551.06	42.8	45.8	40.4	14.81	15.32	13.64
Fabricated Structural Metal Products	471.99	561.60	456.50	40.9	45.4	41.5	11.54	12.37	11.00
Industrial Machinery and Equipment	481.13	472.83	473.09	44.1	43.7	44.8	10.91	10.82	10.56
Metalworking Machinery	522.96	510.06	510.41	45.2	44.9	45.9	11.57	11.36	11.12
Electronic and Other Electric Equipment	447.53	434.89	374.78	42.5	42.1	38.4	10.53	10.33	9.76
Transportation Equipment	624.20	612.50	629.34	42.9	42.3	42.9	14.55	14.48	14.67
Nondurable Goods[g]	501.59	500.65	479.54	42.4	42.5	42.4	11.83	11.78	11.31
Food and Kindred Products	390.44	397.79	406.08	39.8	40.1	42.3	9.81	9.92	9.60
Chemicals and Allied Products	541.77	544.94	484.70	43.1	43.7	40.8	12.57	12.47	11.88
Rubber and Miscellaneous Plastics Products	524.79	520.52	494.16	44.1	44.0	43.5	11.90	11.83	11.36
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	589.11	595.73	606.74	40.6	41.0	41.7	14.51	14.53	14.55
Wholesale Trade	358.90	365.42	366.75	36.4	36.8	37.5	9.86	9.93	9.78
Retail Trade[i]	224.11	217.00	219.45	31.3	31.0	33.1	7.16	7.00	6.63
General Merchandise Stores	205.57	196.25	218.12	30.5	29.6	33.2	6.74	6.63	6.57
Food Stores	317.72	315.66	334.37	37.6	37.4	38.7	8.45	8.44	8.64
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	285.79	282.33	275.84	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

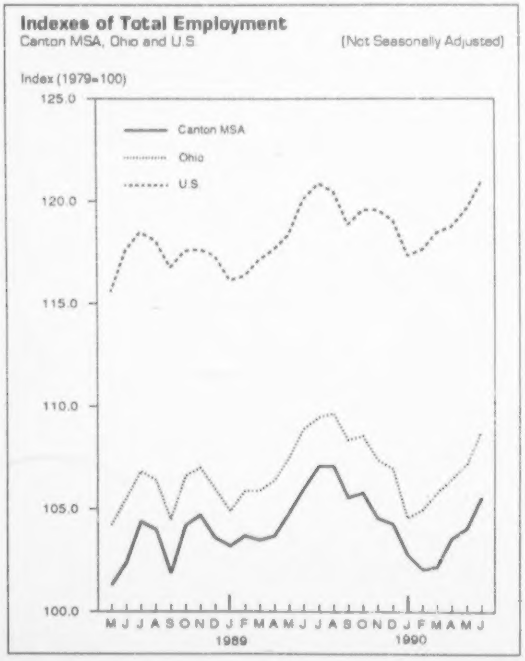
Canton
Metropolitan Statistical Area



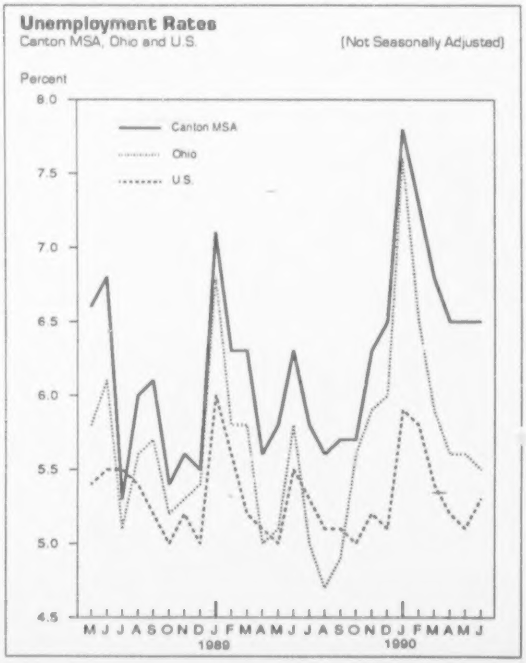
Nonfarm payroll employment in the Canton metropolitan area totaled 168,100 in July 1990, down 1,000 from the June level. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade and services lowered employment in the service-producing sector 1,300. The number of jobs in goods-producing industries increased 300 over the month to 54,400 primarily due to modest gains in construction and manufacturing, especially primary metal industries. Factory production worker average hourly earnings were down fractionally from June at $11.47. Their average workweek was 0.1 hours shorter at 42.3 hours.

Nonagricultural wage and salary employment advanced 2,900 between July 1989 and July 1990. Employment in service-producing industries increased 3,000. Primary growth sectors were services (+1,300) and retail trade (+1,200). The workforce in goods-producing industries declined 100. Over-the-year reductions in manufacturing, particularly fabricated metal products, negated modest growth in construction.

Seasonally adjusted employment in the Canton area decreased 1,000 from the June level to 167,000 in July 1990. Since July 1989, total payroll employment advanced 3,000. Gains were posted in services, retail trade, and government. Manufacturing employment declined during the period.



Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
197.4	186.0	11.5	5.8	July	165.2	45.9	32.9	454.92	40.8	11.15
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.3	183.5	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
INA	INA	INA	INA	July	168.1	45.5	31.8	485.18	42.3	11.47

INA – Information not available
*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	53	7	46	July	111	6	9	33	7	38	19
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	168.1	169.1	165.2	-1.0	2.9
Goods-Producing Industries[e]	54.4	54.1	54.5	.3	-.1
Construction	8.2	8.0	7.9	.2	.3
Manufacturing	45.5	45.4	45.9	.1	-.4
Durable Goods[f]	33.7	33.6	34.1	.1	-.4
Primary Metal Industries	11.7	11.6	11.5	.2	.2
Fabricated Metal Products	5.7	5.7	6.3	.0	-.6
Electronic and Other Electric Equipment	3.9	4.0	4.2	.0	-.2
Nondurable Goods[g]	11.8	11.8	11.8	.0	.0
Food and Kindred Products	3.4	3.4	3.3	.0	.1
Rubber and Miscellaneous Plastics Products	2.9	2.9	3.1	.0	-.2
Service-Producing Industries	113.7	115.0	110.6	-1.3	3.0
Transportation and Public Utilities	5.7	5.7	5.7	.0	.0
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.6	8.6	.1	.1
Retail Trade	33.8	34.1	32.6	-.3	1.2
General Merchandise Stores	4.1	4.1	4.0	.0	.1
Food Stores	5.6	5.6	5.5	-.1	.1
Finance, Insurance, and Real Estate	6.9	6.9	6.9	.0	.0
Finance	4.0	4.0	3.9	.0	.1
Services	39.9	40.2	38.6	-.3	1.3
Health Services	16.2	16.2	15.8	-.1	.4
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.6	7.6	7.5	.0	.1
Government	18.7	19.5	18.2	-.8	.5
Federal Government	1.4	1.5	1.4	.0	.0
State Government (Includes Education)	1.7	1.7	1.7	.1	.1
Local Government	15.5	16.3	15.1	-.9	.4
Local Government Education	8.6	9.6	8.4	-.9	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

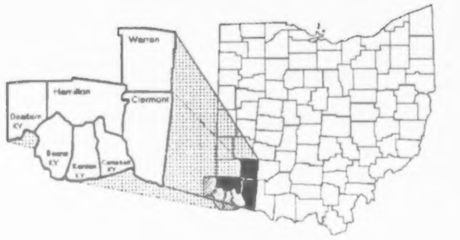
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$485.18	$487.60	$454.92	42.3	42.4	40.8	$11.47	$11.50	$11.15
Durable Goods[f]	509.01	511.92	476.10	43.1	43.2	41.4	11.81	11.85	11.50
Primary Metal Industries	578.42	560.35	486.49	46.2	44.9	42.6	12.52	12.48	11.42
Fabricated Metal Products	460.32	469.06	475.21	40.7	41.4	39.8	11.31	11.33	11.94
Electronic and Other Electric Equipment	508.95	524.96	533.58	37.7	38.6	40.7	13.50	13.60	13.11
Nondurable Goods[g]	411.93	417.91	388.78	39.8	40.3	38.8	10.35	10.37	10.02
Food and Kindred Products	422.07	434.32	400.37	38.9	39.7	37.7	10.85	10.94	10.62
Rubber and Miscellaneous Plastics Products	390.72	392.64	385.52	40.7	40.9	40.2	9.60	9.60	9.59
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	591.95	589.34	585.48	40.6	40.7	41.0	14.58	14.48	14.28
Wholesale Trade	382.53	385.84	378.62	38.6	38.7	37.9	9.91	9.97	9.99
Retail Trade[i]	174.09	173.10	166.45	28.4	28.1	28.6	6.13	6.16	5.82
General Merchandise Stores	185.12	191.19	194.69	28.7	29.1	31.2	6.45	6.57	6.24
Food Stores	168.15	163.39	160.46	28.5	27.6	28.5	5.90	5.92	5.63
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	195.27	188.43	177.30	30.8	30.1	29.5	6.34	6.26	6.01

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Cincinnati
Primary Metropolitan Statistical Area

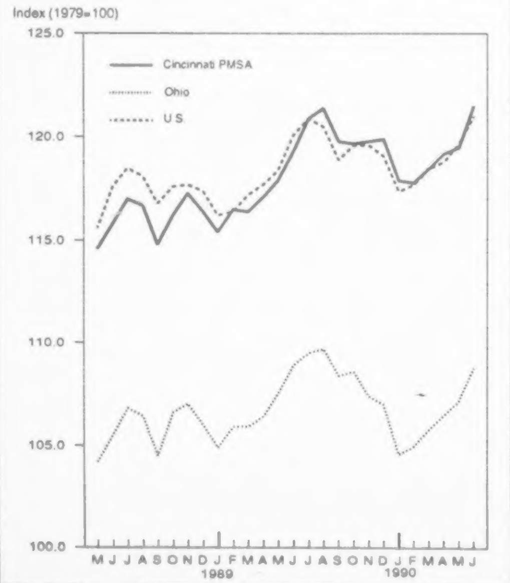


Nonagricultural payroll employment in the Cincinnati metropolitan area dropped 5,000 below the June level to 753,800 in July 1990. Seasonal layoffs of nonteaching personnel in local and state schools and colleges lowered employment in service-producing industries 5,400. The number of jobs in goods-producing industries increased 400 over the month to 186,800 as growth in construction outweighed declines in manufacturing. A labor-management dispute in fabricated metal products offset a gain in chemicals and allied products. Factory production workers averaged $12.01 per hour, down 10 cents from June. Their average workweek of 43.0 hours was 0.6 hours shorter.

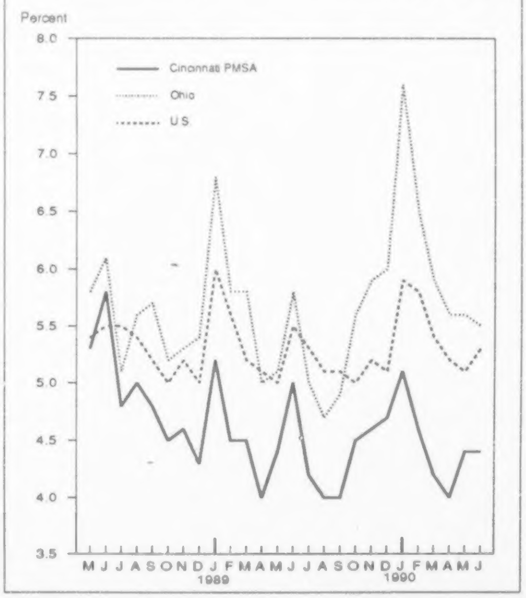
Nonfarm wage and salary employment advanced 26,100 between July 1989 and July 1990. Growth in service-producing industries contributed 86.2 percent of the gain. Significant expansion occurred in retail trade (+8,800) and services (+6,800). Noteworthy improvements were also posted in local government, wholesale trade, and transportation and public utilities. Scattered gains in manufacturing and growth in construction raised employment in goods-producing industries 3,600 over the year. Moderate increases were recorded in transportation equipment, printing and publishing, food and kindred products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cincinnati area was unchanged from June at 752,000 in July 1990. Since July 1989, total payroll employment advanced 26,000. Primary growth industries were retail trade (+9,000) and services (+6,000).

Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S.
[Not Seasonally Adjusted]



Unemployment Rates
Cincinnati PMSA, Ohio and U.S.
[Not Seasonally Adjusted]



Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
792.9	759.3	33.6	4.2	July	727.7	146.4	92.0	484.15	42.1	11.50
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
798.2	763.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
INA	INA	INA	INA	July	753.8	148.7	93.0	516.43	43.0	12.01

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
726	181	34	146	July	545	39	48	142	43	183	90
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
752	184	35	148	July	568	41	50	151	43	189	93

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	753.8	758.8	727.7	-5.0	26.1
Goods-Producing Industries[e]	186.8	186.4	183.1	.4	3.6
Construction	37.6	37.1	36.3	.5	1.4
Manufacturing	148.7	148.8	146.4	-.1	2.2
Durable Goods[f]	80.2	80.5	79.4	-.2	.8
Fabricated Metal Products	12.0	12.3	12.4	-.2	-.4
Fabricated Structural Metal Products	4.4	4.6	4.5	-.3	-.1
Industrial Machinery and Equipment	19.3	19.2	19.5	.1	-.1
Electronic and Other Electric Equipment	7.6	7.6	7.7	.0	-.1
Transportation Equipment	25.1	25.1	23.8	.0	1.3
Motor Vehicles and Equipment	5.0	5.0	4.6	.0	.4
Instruments and Related Products	3.5	3.6	3.5	-.1	.0
Nondurable Goods[g]	68.4	68.3	67.0	.1	1.4
Food and Kindred Products	12.3	12.3	12.0	-.1	.3
Beverages	2.8	2.8	2.8	.0	.0
Apparel and Other Textile Products	3.5	3.5	3.5	.0	.0
Paper and Allied Products	5.8	5.7	5.9	.1	.0
Printing and Publishing	14.6	14.6	14.2	.0	.4
Commercial Printing	6.4	6.3	6.2	.0	.2
Chemicals and Allied Products	22.7	22.5	22.5	.2	.2
Rubber and Miscellaneous Plastics Products	6.8	6.9	6.6	-.1	.3
Service-Producing Industries	567.0	572.4	544.6	-5.4	22.5
Transportation and Public Utilities	41.2	41.3	39.5	.0	1.8
Transportation	24.7	24.8	23.3	-.1	1.5
Trucking and Warehousing	11.3	11.2	10.6	.1	.7
Transportation by Air	6.7	6.6	6.2	.1	.5
Communications, Electric, Gas Services	16.5	16.4	16.2	.1	.3
Communications	9.7	9.6	9.8	.0	-.2
Wholesale Trade	50.1	50.0	47.9	.1	2.1
Wholesale Trade-Durable Goods	29.4	29.4	28.5	.0	.9
Retail Trade	151.6	151.6	142.8	-.1	8.8
General Merchandise Stores	22.3	22.4	21.0	-.2	1.2
Finance, Insurance, and Real Estate	43.7	43.4	43.4	.3	.3
Finance	17.7	17.6	17.5	.1	.2
Depository Institutions	13.9	13.8	13.7	.0	.1
Commercial Banks	9.7	9.7	9.5	.1	.2
Insurance	17.1	17.1	17.2	.1	-.1
Insurance Carriers	14.3	14.2	14.5	.0	-.2
Life Insurance	6.7	6.7	7.0	.0	-.2
Fire, Marine, and Casualty Insurance	5.3	5.3	5.1	.0	.2
Services	193.6	193.5	186.8	.1	6.8
Hotels and Other Lodging Places	8.1	8.0	7.7	.1	.3
Personal Services	8.5	8.6	8.1	-.1	.4
Business Services	38.3	38.0	36.6	.2	1.7
Services to Buildings	6.1	6.3	5.8	-.2	.3
Computer and Data Processing Services	4.9	4.8	4.6	.1	.4
Amusements, Including Motion Pictures	14.8	14.5	14.9	.2	-.1
Health Services	58.3	57.9	56.1	.3	2.2
Nursing and Personal Care Facilities	11.2	11.2	10.9	.1	.3
Hospitals	27.8	27.8	26.9	.1	.9
Legal Services	4.7	4.7	4.3	.0	.4
Educational Services	5.9	6.5	6.1	-.6	-.1
Social Services	12.6	12.4	11.9	.2	.7
Residential Care	5.0	4.9	4.7	.1	.3
Engineering and Management Services	17.2	17.2	16.5	-.1	.6
Engineering and Architectural Services	5.9	5.9	5.7	.0	.2
Government	86.9	92.6	84.2	-5.7	2.6
Federal Government	16.0	16.9	15.6	-.8	.4
State Government	19.2	21.0	18.8	-1.8	.5
State Government Education[h]	10.7	12.6	10.5	-1.9	.2
Local Government	51.6	54.8	49.8	-3.1	1.8
Local Government Education	26.4	30.0	25.2	-3.6	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

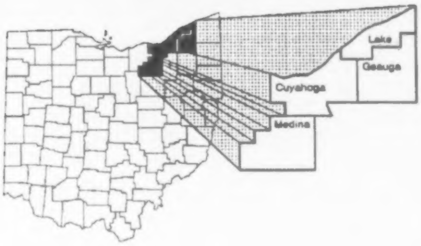
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$516.43	$528.00	$484.15	43.0	43.6	42.1	$12.01	$12.11	$11.50
Durable Goods[f]	500.98	523.41	466.75	42.6	43.8	41.6	11.76	11.95	11.22
Fabricated Metal Products	440.84	434.85	407.95	42.8	42.8	41.5	10.30	10.16	9.83
Fabricated Structural Metal Products	533.84	482.89	470.89	46.1	43.7	43.4	11.58	11.05	10.85
Industrial Machinery and Equipment	466.05	467.42	449.77	42.1	42.3	41.8	11.07	11.05	10.76
Electronic and Other Electric Equipment	393.71	377.07	362.39	41.4	41.3	40.4	9.51	9.13	8.97
Transportation Equipment	739.79	836.63	701.96	44.7	48.5	43.6	16.55	17.25	16.10
Motor Vehicles and Equipment	741.67	998.22	700.04	42.6	52.4	40.7	17.41	19.05	17.20
Instruments and Related Products	411.55	393.30	353.40	44.3	43.7	43.9	9.29	9.00	8.05
Nondurable Goods[g]	531.65	530.86	502.58	43.4	43.3	42.7	12.25	12.26	11.77
Food and Kindred Products	499.96	501.98	512.87	43.1	43.2	43.5	11.60	11.62	11.79
Beverages	575.88	578.51	527.90	42.5	42.6	41.6	13.55	13.58	12.69
Apparel and Other Textile Products	256.70	259.00	235.32	38.2	38.2	37.0	6.72	6.78	6.36
Paper and Allied Products	462.40	466.09	471.11	42.5	42.8	43.5	10.88	10.89	10.83
Printing and Publishing	514.16	503.86	469.80	41.7	41.3	40.5	12.33	12.20	11.60
Commercial Printing	544.72	533.92	487.90	44.0	43.8	42.5	12.38	12.19	11.48
Chemicals and Allied Products	677.38	682.42	600.74	45.8	45.8	43.5	14.79	14.90	13.81
Rubber and Miscellaneous Plastics Products	432.00	437.56	410.40	43.2	43.8	43.2	10.00	9.99	9.50
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	610.78	595.63	589.35	40.8	40.3	41.3	14.97	14.78	14.27
Communications	608.60	591.07	587.52	39.7	39.3	40.8	15.33	15.04	14.40
Wholesale Trade	438.59	438.65	425.41	39.3	39.2	39.1	11.16	11.19	10.88
Retail Trade[i]	179.38	179.27	173.46	28.7	28.5	29.6	6.25	6.29	5.86
General Merchandise Stores	227.55	220.70	203.74	31.3	30.4	30.5	7.27	7.26	6.68
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	307.72	303.35	285.25	....	....	....	.....	.....	.....
Commercial Banks	275.47	273.27	263.78	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	415.43	415.22	397.95	....	....	....	.....	.....	.....
Life Insurance	426.72	425.19	409.33	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	423.60	425.71	409.68	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	437.22	433.95	383.36	32.8	32.9	31.5	13.33	13.19	12.17
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	680.52	640.56	613.50	42.8	40.8	40.9	15.90	15.70	15.00

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

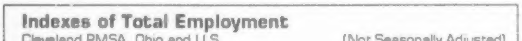
Cleveland Primary Metropolitan Statistical Area

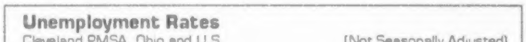


In the Cleveland metropolitan area, total nonfarm payroll employment declined 2,900 from June to 966,300 in July 1990. Employment in service-producing industries fell 3,200 primarily due to seasonal layoffs of nonteaching personnel in local public schools and in private schools. The number of jobs in goods-producing industries increased 200 to 245,500. Growth in construction, especially special trade contractors, overshadowed scattered decreases in manufacturing. Modest reductions were posted in rubber and miscellaneous plastics products and primary metal industries. Factory production workers averaged $12.16 per hour, down 15 cents from June. Their average workweek of 42.8 hours was 0.6 hours shorter.

Nonagricultural wage and salary employment advanced 22,900 between July 1989 and July 1990. Service-producing industries contributed 86.9 percent of the improvement. Leading areas of expansion were services (+8,100) and retail trade (+6,100). Notable gains also occurred in wholesale trade and local government. Moderate growth in construction and manufacturing increased employment in goods-producing industries 2,900. Over-the-year gains in transportation equipment, printing and publishing, fabricated metal products, electronic and other electric equipment, and food and kindred products more than offset reductions in industrial machinery and equipment and primary metal industries.

Seasonally adjusted employment in the Cleveland area totaled 956,000 in July 1990, down 2,000 from June due to a decline in government. Since July 1989, total payroll employment advanced 22,000. Leading areas of expansion were services, retail trade, wholesale trade, and government.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
967.2	926.4	40.8	4.2	July	943.5	206.0	131.7	484.78	41.9	11.57
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
961.9	916.6	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
INA	INA	INA	INA	July	966.3	207.3	132.2	520.45	42.8	12.16

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
934	240	33	206	July	694	42	66	159	57	253	117
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
956	242	34	207	July	714	43	69	165	58	260	119

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	966.3	969.3	943.5	-2.9	22.9
Goods-Producing Industries[e]	245.5	245.2	242.5	.2	2.9
Construction	37.3	36.3	35.7	1.1	1.7
Special Trade Contractors	25.5	24.7	24.4	.8	1.1
Manufacturing	207.3	208.1	206.0	-.9	1.2
Durable Goods[f]	141.5	142.0	141.3	-.5	.2
Stone, Clay, and Glass Products	3.8	3.9	3.7	.0	.1
Primary Metal Industries	20.7	21.0	21.2	-.2	-.5
Iron and Steel Foundries	4.3	4.3	4.6	.0	-.3
Fabricated Metal Products	34.4	34.5	34.1	-.1	.3
Screw Machine Products, Bolts, etc	5.0	5.0	5.2	.0	-.2
Metal Forgings and Stampings	11.0	11.0	10.7	.0	.3
Industrial Machinery and Equipment	33.1	33.2	34.2	-.1	-1.1
Metalworking Machinery	13.1	13.1	13.3	.0	-.2
Electronic and Other Electric Equipment	15.6	15.6	15.3	.0	.3
Electrical Industrial Apparatus	4.3	4.4	4.4	-.1	-.1
Electric Lighting and Wiring Equipment	5.2	5.2	5.1	.0	.1
Transportation Equipment	19.2	19.3	18.4	-.1	.8
Motor Vehicles and Equipment	12.1	12.1	11.2	-.1	.9
Instruments and Related Products	7.1	7.0	7.2	.0	-.1
Measuring and Controlling Devices	5.1	5.1	4.9	.0	.2
Nondurable Goods[g]	65.8	66.2	64.8	-.4	1.0
Food and Kindred Products	6.4	6.4	6.1	.0	.3
Apparel and Other Textile Products	3.2	3.2	3.3	.0	-.1
Paper and Allied Products	5.8	5.9	5.9	-.1	-.1
Printing and Publishing	17.5	17.4	16.9	.1	.6
Chemicals and Allied Products	15.0	15.1	14.8	-.1	.2
Rubber and Miscellaneous Plastics Products	11.9	12.2	11.8	-.3	.1
Miscellaneous Plastics Products	7.5	7.7	7.2	-.2	.4
Service-Producing Industries	720.9	724.0	700.9	-3.2	18.9
Transportation and Public Utilities	43.4	43.4	42.5	.0	.9
Transportation	26.4	26.2	24.9	.1	1.5
Trucking and Warehousing	11.8	11.7	11.5	.1	.3
Transportation by Air	5.4	5.4	5.0	.1	.5
Communications, Electric, Gas Services	17.1	17.2	17.6	-.1	-.6
Communications	10.0	10.0	10.3	.0	-.3
Electric, Gas, and Sanitary Services	7.1	7.1	7.3	-.1	-.3
Wholesale Trade	69.1	69.2	66.9	-.1	2.2
Wholesale Trade-Durable Goods	47.1	47.1	45.6	.0	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.1	4.2	.0	-.1
Professional and Commercial Equipment	9.3	9.3	9.1	.0	.1
Retail Trade	166.4	166.4	160.3	.0	6.1
General Merchandise Stores	21.1	21.3	20.4	-.2	.7
Finance, Insurance, and Real Estate	58.6	58.3	57.6	.3	1.0
Finance	28.5	28.3	28.0	.2	.5
Depository Institutions	21.1	20.9	20.7	.2	.4
Commercial Banks	13.3	13.2	13.1	.1	.2
Insurance	18.6	18.7	18.6	-.1	.0
Insurance Carriers	14.1	14.1	14.1	-.1	.0
Fire, Marine, and Casualty Insurance	6.4	6.5	6.5	-.1	.0
Services	262.9	263.3	254.8	-.4	8.1
Business Services	55.5	55.2	52.6	.2	2.9
Personnel Supply Services	21.3	21.2	19.8	.1	1.5
Computer and Data Processing Services	7.1	7.0	6.4	.1	.7
Amusements, Including Motion Pictures	13.6	13.3	14.2	.3	-.6
Health Services	80.0	80.0	79.3	.0	.7
Nursing and Personal Care Facilities	13.7	13.7	13.3	.0	.4
Hospitals	43.8	43.9	44.2	-.1	-.4
Legal Services	10.1	10.1	9.7	.0	.4
Educational Services	15.3	17.1	14.4	-1.8	.9
Social Services	14.0	13.9	13.2	.1	.8
Residential Care	3.9	3.9	3.6	.1	.3
Engineering and Management Services	22.5	22.3	21.5	.3	1.0
Engineering and Architectural Services	8.3	8.2	8.0	.1	.4
Accounting, Auditing, and Bookkeeping	6.5	6.5	6.5	.0	.1
Management and Public Relations	4.9	4.8	4.4	.1	.5
Government	120.4	123.4	118.8	-3.0	1.6
Federal Government	20.1	21.1	20.7	-.9	-.6
State Government	8.2	8.5	7.7	-.3	.4
State Government Education[h]	2.8	3.2	2.5	-.5	.3
Local Government	92.1	93.8	90.3	-1.7	1.8
Local Government Education	42.4	46.0	42.7	-3.7	-.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

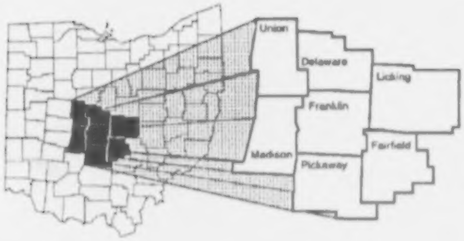
Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$520.45	$534.25	$484.78	42.8	43.4	41.9	$12.16	$12.31	$11.57
Durable Goods[f]	554.59	574.54	509.22	43.6	44.4	42.4	12.72	12.94	12.01
Stone, Clay, and Glass Products	493.07	495.33	479.64	41.4	41.8	41.1	11.91	11.85	11.67
Primary Metal Industries	518.96	573.50	526.14	43.5	45.3	44.4	11.93	12.66	11.85
Iron and Steel Foundries	764.74	999.44	774.98	43.9	52.0	45.4	17.42	19.22	17.07
Fabricated Metal Products	530.44	559.82	497.17	42.3	43.6	41.5	12.54	12.84	11.98
Screw Machine Products, Bolts, etc.	554.56	547.80	518.23	44.4	44.0	42.9	12.49	12.45	12.08
Metal Forgings and Stampings	649.08	717.54	588.35	42.9	45.5	41.0	15.13	15.77	14.35
Industrial Machinery and Equipment	585.15	578.93	487.30	46.7	46.5	41.9	12.53	12.45	11.63
Metalworking Machinery	590.19	587.25	505.44	48.1	47.9	43.2	12.27	12.26	11.70
Electronic and Other Electric Equipment	427.18	414.40	416.36	40.8	40.0	40.7	10.47	10.36	10.23
Electrical Industrial Apparatus	470.73	459.17	424.87	44.2	43.4	41.9	10.65	10.58	10.14
Electric Lighting and Wiring Equipment	391.68	367.00	382.78	38.4	36.7	38.9	10.20	10.00	9.84
Transportation Equipment	766.29	806.75	685.22	44.5	46.1	43.7	17.22	17.50	15.68
Motor Vehicles and Equipment	862.75	919.20	768.39	45.6	47.9	44.7	18.92	19.19	17.19
Instruments and Related Products	459.95	454.16	425.29	41.4	41.4	41.9	11.11	10.97	10.15
Measuring and Controlling Devices	454.69	461.47	464.40	41.0	41.8	43.2	11.09	11.04	10.75
Nondurable Goods[g]	437.63	437.72	424.09	40.9	41.1	40.7	10.70	10.65	10.42
Food and Kindred Products	441.54	438.59	440.73	39.6	39.3	41.5	11.15	11.16	10.62
Apparel and Other Textile Products	377.14	369.08	354.89	38.8	37.7	37.2	9.72	9.79	9.54
Paper and Allied Products	516.73	501.16	465.47	44.7	44.0	42.2	11.56	11.39	11.03
Printing and Publishing	375.64	396.79	363.82	36.9	38.3	37.2	10.18	10.36	9.78
Chemicals and Allied Products	547.84	540.59	536.98	42.6	42.3	43.2	12.86	12.78	12.43
Rubber and Miscellaneous Plastics Products	382.75	381.78	367.33	42.2	42.8	41.6	9.07	8.92	8.83
Miscellaneous Plastics Products	396.46	380.84	375.62	43.0	42.6	42.3	9.22	8.94	8.88
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	493.81	504.27	474.08	35.5	36.2	35.3	13.91	13.93	13.43
Communications, Electric, Gas Services	626.05	621.68	638.06	40.6	40.5	42.2	15.42	15.35	15.12
Wholesale Trade	463.34	466.09	445.90	39.5	39.6	39.6	11.73	11.77	11.26
Retail Trade[i]	194.02	192.64	186.48	28.2	28.0	28.0	6.88	6.88	6.66
General Merchandise Stores	188.36	186.73	188.86	27.7	27.5	28.4	6.80	6.79	6.65
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	320.06	319.30	324.48	....	....	....	.....	.....	.....
Depository Institutions	294.72	293.05	300.50	....	....	....	.....	.....	.....
Commercial Banks	286.41	285.75	297.15	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	340.20	337.90	318.78	31.5	31.2	31.1	10.80	10.83	10.25
Nursing and Personal Care Facilities	253.92	243.76	219.20	34.5	33.3	32.0	7.36	7.32	6.85
Hospitals	373.32	372.10	350.06	30.5	30.4	30.6	12.24	12.24	11.44

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

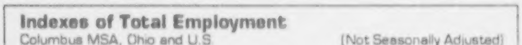
Columbus Metropolitan Statistical Area

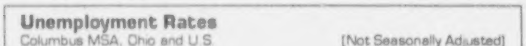


Nonagricultural payroll employment in the Columbus metropolitan area fell 9,400 below the June level to 724,600 in July 1990. Cyclical layoffs of nonteaching personnel in state and local schools and colleges lowered employment in service-producing industries 8,800. The number of employees in goods-producing industries declined 600 from last month to 137,700. A labor-management dispute in durable-goods manufacturing and decreased production in stone, clay, and glass products outweighed modest growth in construction employment. Factory production workers averaged $12.43 per hour, up fractionally from June. Their average workweek of 42.1 hours was 0.1 hours longer.

Nonfarm wage and salary employment advanced 25,600 between July 1989 and July 1990. The improvement was concentrated in the service-producing sector. Significant expansion occurred in services (+9,400) and retail trade (+7,800). Notable gains were also posted in local and state government, finance, insurance, and real estate, and wholesale trade. Employment in goods-producing industries increased 400 during the period. Modest growth in construction outweighed declines in manufacturing. The current labor-management dispute in durable goods and a reduction in electronic and other electric equipment negated improvements in transportation equipment, fabricated metal products, and printing and publishing.

Seasonally adjusted employment in the Columbus area rose 2,000 from June to 729,000 in July 1990. Increases in government, retail trade, and services more than offset a decline in manufacturing. Since July 1989, total payroll employment advanced 26,000. A major portion of the improvement occurred in services, retail trade, and government.


Indexes of Total Employment
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Columbus MSA, Ohio and U.S. [Not Seasonally Adjusted]

Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Unemployed								
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
735.9	704.4	31.5	4.3	July	699.0	105.1	69.4	496.84	41.3	12.03
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
743.5	711.3	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
INA	INA	INA	INA	July	724.6	104.3	69.1	523.30	42.1	12.43

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
703	135	29	105	July	563	31	37	144	60	171	126
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
729	135	30	104	July	594	32	38	152	61	180	131

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	724.6	734.0	699.0	-9.4	25.6
Goods-Producing Industries[e]	137.7	138.4	137.4	-.6	.4
Construction	32.5	31.8	31.4	.7	1.1
Manufacturing	104.3	105.7	105.1	-1.4	-.8
Durable Goods[f]	64.9[i]	66.5	65.9	-1.6	-1.0
Stone, Clay, and Glass Products	9.6	10.0	9.7	-.4	-.1
Glass and Glassware, Pressed or Blown	3.0	3.5	3.3	-.5	-.3
Fabricated Metal Products	9.8	10.0	9.5	-.2	.3
Industrial Machinery and Equipment	9.9	9.9	10.0	.0	-.1
Electronic and Other Electric Equipment	9.1	9.1	9.4	-.1	-.3
Transportation Equipment	14.4	14.3	13.8	.1	.6
Motor Vehicles and Equipment	13.4	13.3	13.2	.1	.3
Instruments and Related Products	4.7	4.7	4.8	.0	-.1
Nondurable Goods[g]	39.4	39.2	39.2	.2	.2
Food and Kindred Products	10.9	10.8	10.8	.1	.1
Dairy Products	4.4	4.3	4.0	.1	.3
Printing and Publishing	11.1	11.0	10.7	.1	.3
Chemicals and Allied Products	7.0	7.0	7.0	.0	.0
Rubber and Miscellaneous Plastics Products	6.2	6.2	6.1	.0	.1
Service-Producing Industries	586.9	595.6	561.6	-8.8	25.2
Transportation and Public Utilities	31.8	31.6	30.9	.2	.9
Transportation	19.6	19.4	18.5	.2	1.2
Trucking and Warehousing	14.1	13.8	12.9	.3	1.2
Communications, Electric, Gas Services	12.2	12.2	12.4	.0	-.2
Communications	7.5	7.5	7.8	.0	-.3
Electric, Gas, and Sanitary Services	4.6	4.6	4.6	.0	.0
Wholesale Trade	38.4	38.6	37.3	-.2	1.1
Wholesale Trade-Durable Goods	24.8	25.1	24.2	-.3	.6
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	.0	.0
Machinery, Equipment, and Supplies	5.6	5.8	5.5	-.2	.2
Wholesale Trade-Nondurable Goods	13.6	13.5	13.1	.1	.5
Retail Trade	150.8	151.2	142.9	-.4	7.8
General Merchandise Stores	21.3	21.1	20.4	.2	.9
Food Stores	17.3	17.1	16.4	.2	.9
Automotive Dealers and Service Stations	15.2	15.0	14.3	.3	1.0
Finance, Insurance, and Real Estate	61.9	61.4	60.5	.5	1.4
Finance	24.1	24.1	23.8	.1	.3
Depository Institutions	14.5	14.6	14.6	.0	.0
Commercial Banks	12.4	12.3	12.0	.1	.4
Insurance	28.3	28.1	27.8	.2	.5
Insurance Carriers	24.3	24.2	23.7	.1	.5
Services	181.6	180.9	172.2	.7	9.4
Business Services	39.1	38.5	36.3	.6	2.8
Personnel Supply Services	14.7	14.1	12.8	.6	1.8
Health Services	46.9	46.6	44.7	.3	2.2
Nursing and Personal Care Facilities	8.2	8.2	8.0	.1	.2
Hospitals	21.9	21.8	20.8	.1	1.1
Legal Services	4.7	4.7	4.5	.0	.2
Educational Services	6.1	6.7	5.6	-.6	.5
Social Services	12.8	12.8	12.4	.0	.4
Engineering and Management Services	18.6	18.4	17.7	.2	.9
Engineering and Architectural Services	4.8	4.7	4.5	.1	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.0	.0	.1
Research and Testing Services	6.4	6.4	6.1	.0	.3
Government	122.4	131.9	117.9	-9.5	4.5
Federal Government	16.0	16.5	16.2	-.6	-.3
State Government	53.1	58.6	51.2	-5.5	1.9
State Government Education[h]	18.6	24.6	18.2	-6.0	.4
Local Government	53.3	56.7	50.5	-3.4	2.8
Local Government Education	29.9	33.7	27.9	-3.7	2.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

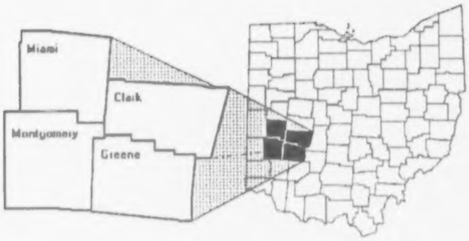
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$523.30	$520.80	$496.84	42.1	42.0	41.3	$12.43	$12.40	$12.03
Durable Goods[f]	541.45	538.48	512.91	42.4	42.3	41.7	12.77	12.73	12.30
Stone, Clay, and Glass Products	524.24	519.09	541.89	42.9	42.9	44.6	12.22	12.10	12.15
Glass and Glassware, Pressed or Blown	477.96	468.15	457.29	42.0	42.1	41.8	11.38	11.12	10.94
Fabricated Metal Products	520.15	541.73	507.78	40.7	41.8	40.3	12.78	12.96	12.60
Industrial Machinery and Equipment	557.80	535.62	482.10	44.2	43.3	41.1	12.62	12.37	11.73
Electronic and Other Electric Equipment	502.66	493.29	457.81	40.9	40.6	39.5	12.29	12.15	11.59
Transportation Equipment	638.13	631.31	601.66	44.1	43.3	42.4	14.47	14.58	14.19
Motor Vehicles and Equipment	645.45	637.11	605.63	44.3	43.4	42.5	14.57	14.68	14.25
Instruments and Related Products	442.32	445.63	416.99	41.3	41.3	39.6	10.71	10.79	10.53
Nondurable Goods[g]	489.22	484.79	466.42	41.6	41.4	40.7	11.76	11.71	11.46
Food and Kindred Products	441.84	435.97	426.12	42.0	41.6	41.9	10.52	10.48	10.17
Dairy Products	617.42	610.16	565.48	45.1	44.7	42.2	13.69	13.65	13.40
Printing and Publishing	565.80	554.58	525.31	41.0	40.1	38.4	13.80	13.83	13.68
Chemicals and Allied Products	616.69	615.08	585.31	41.5	41.7	41.6	14.86	14.75	14.07
Rubber and Miscellaneous Plastics Products	401.94	395.85	373.50	42.0	41.8	41.5	9.57	9.47	9.00
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	455.79	463.99	382.43	34.9	35.5	29.6	13.06	13.07	12.92
Communications, Electric, Gas Services	681.53	682.21	598.02	43.8	43.9	41.5	15.56	15.54	14.41
Communications	592.42	594.61	597.60	39.6	39.8	41.5	14.96	14.94	14.40
Electric, Gas, and Sanitary Services	829.56	826.92	598.43	50.8	50.7	41.5	16.33	16.31	14.42
Wholesale Trade	405.69	400.72	389.26	38.6	38.2	38.2	10.51	10.49	10.19
Retail Trade[i]	185.70	183.58	184.25	27.8	27.4	28.7	6.68	6.70	6.42
General Merchandise Stores	210.04	203.49	200.79	29.5	28.5	29.1	7.12	7.14	6.90
Food Stores	187.55	192.36	196.42	27.5	28.0	28.1	6.82	6.87	6.99
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	458.99	454.31	419.58	....	....	....	.....	.....	.....
Depository Institutions	298.33	295.94	284.53	....	....	....	.....	.....	.....
Commercial Banks	295.08	292.91	274.10	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	237.00	232.31	221.40	32.6	32.4	32.8	7.27	7.17	6.75
Hospitals	403.58	405.95	378.40	34.0	34.2	34.4	11.87	11.87	11.00
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	480.38	488.36	452.80	38.4	39.1	38.8	12.51	12.49	11.67

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

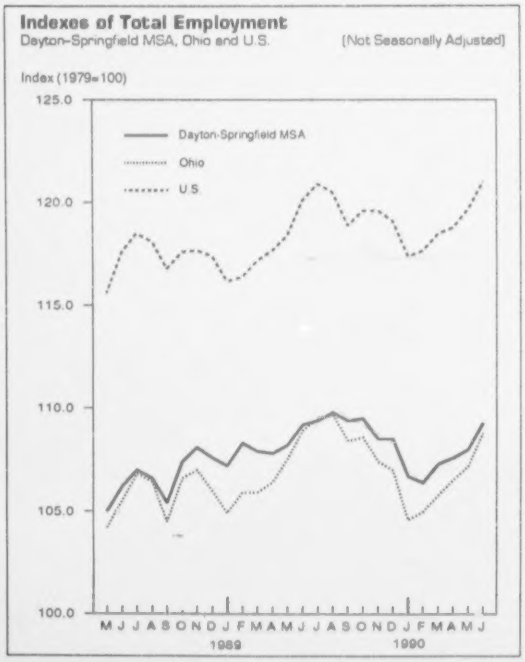
Dayton-Springfield Metropolitan Statistical Area

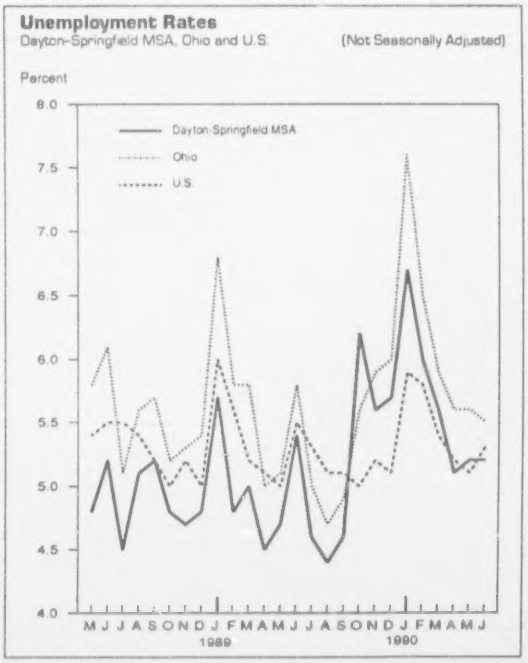


Nonfarm payroll employment in the Dayton-Springfield metropolitan area dropped 5,100 below the June level to 456,500 in July 1990. Employment in service-producing industries fell 5,000 due to seasonal layoffs of nonteaching personnel in local public schools and in private schools and less business in retail trade. The workforce in goods-producing industries decreased 100 to 125,200. Reductions in durable-goods manufacturing, especially industrial machinery and equipment and transportation equipment, negated modest gains in construction employment. Manufacturing production workers averaged $13.53 per hour, down 33 cents from June. Their average workweek was 1.4 hours shorter at 42.3 hours.

Nonagricultural wage and salary employment advanced 11,500 between July 1989 and July 1990. The number of jobs in service-producing industries rose 10,100. Leading areas of expansion were services, local government, retail trade, and transportation and public utilities. Employment in goods-producing industries increased 1,400 with noteworthy improvements in manufacturing and construction. Over-the-year growth in transportation equipment, especially motor vehicles and equipment, and in printing and publishing more than offset production cutbacks in industrial machinery and equipment, fabricated metal products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Dayton-Springfield area increased 1,000 from June to 460,000 in July 1990 with gains in transportation and public utilities, services, and government. Since July 1989, total payroll employment advanced 12,000. Primary growth sectors were services, government, transportation and public utilities, and retail trade.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. [Not Seasonally Adjusted]

Dayton–Springfield MSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
479.7	457.5	22.2	4.6	July	444.9	104.5	66.3	539.33	42.3	12.75
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
482.1	457.0	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
INA	INA	INA	INA	July	456.5	105.5	68.0	572.32	42.3	13.53

INA – Information not available

Dayton–Springfield MSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
448	122	17	104	July	326	17	21	80	18	114	76
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
460	123	18	105	July	337	19	22	82	17	118	79

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton–Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	456.5	461.5	444.9	-5.1	11.5
Goods-Producing Industries[e]	125.2	125.3	123.8	-.1	1.4
Construction	19.2	18.9	18.9	.4	.4
Manufacturing	105.5	105.9	104.5	-.5	1.0
Durable Goods[f]	75.4	76.0	75.1	-.6	.3
Fabricated Metal Products	8.5	8.6	8.8	-.1	-.3
Industrial Machinery and Equipment	31.1	31.3	32.0	-.2	-.9
Metalworking Machinery	8.3	8.3	8.7	.0	-.4
General Industrial Machinery	3.0	2.9	3.0	.1	-.1
Electronic and Other Electric Equipment	3.9	3.9	4.1	.0	-.2
Transportation Equipment	23.0	23.2	21.2	-.2	1.9
Motor Vehicles and Equipment	19.9	19.9	18.1	.0	1.8
Nondurable Goods[g]	30.1	29.9	29.4	.2	.7
Food and Kindred Products	2.6	2.6	2.7	.1	-.1
Paper and Allied Products	6.2	6.1	6.1	.1	.1
Printing and Publishing	9.4	9.3	9.0	.1	.4
Rubber and Miscellaneous Plastics Products	7.6	7.6	7.9	.0	-.3
Service-Producing Industries	331.3	336.3	321.1	-5.0	10.1
Transportation and Public Utilities	18.6	18.5	17.5	.1	1.1
Transportation	12.2	12.1	11.2	.1	1.0
Trucking and Warehousing	7.0	6.9	6.2	.0	.8
Communications, Electric, Gas Services	6.4	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.7	22.0	21.2	-.3	.5
Wholesale Trade-Durable Goods	15.0	15.3	14.8	-.3	.2
Wholesale Trade-Nondurable Goods	6.6	6.6	6.4	.0	.2
Retail Trade	82.0	82.7	79.7	-.6	2.3
General Merchandise Stores	11.3	11.2	11.2	.1	.1
Finance, Insurance, and Real Estate	17.8	17.7	18.1	.1	-.4
Finance	9.5	9.4	9.9	.1	-.4
Depository Institutions	7.2	7.2	7.7	.0	-.4
Insurance	4.3	4.3	4.3	.0	.0
Services	117.5	117.5	113.4	-.1	4.1
Business Services	24.0	23.6	22.2	.4	1.7
Personnel Supply Services	6.9	6.6	6.4	.3	.5
Computer and Data Processing Services	5.6	5.5	4.9	.1	.7
Health Services	39.8	39.5	38.7	.3	1.1
Nursing and Personal Care Facilities	7.2	7.2	7.1	.0	.1
Hospitals	20.2	20.0	19.9	.2	.4
Educational Services	5.5	6.3	5.8	-.8	-.3
Social Services	5.8	5.9	5.9	-.1	.0
Engineering and Management Services	10.2	10.2	9.9	.0	.3
Research and Testing Services	3.5	3.5	3.3	.1	.2
Government	73.7	77.9	71.2	-4.2	2.5
Federal Government	28.4	28.8	29.5	-.4	-1.1
State Government	7.5	7.6	7.5	-.1	0
State Government Education[h]	4.5	4.5	4.5	-.1	.0
Local Government	37.7	41.5	34.2	-3.7	3.5
Local Government Education	21.1	24.9	18.8	-3.8	2.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

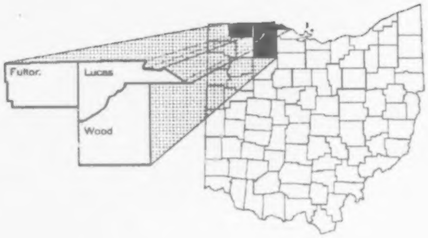
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$572.32	$605.68	$539.33	42.3	43.7	42.3	$13.53	$13.86	$12.75
Durable Goods[f]	591.82	631.28	554.67	42.7	44.3	42.7	13.86	14.25	12.99
Fabricated Metal Products	397.13	421.10	411.40	40.4	41.9	42.5	9.83	10.05	9.68
Industrial Machinery and Equipment	603.40	606.30	580.01	43.1	43.0	42.9	14.00	14.10	13.52
Metalworking Machinery	587.83	598.07	565.82	44.6	44.9	44.8	13.18	13.32	12.63
General Industrial Machinery	562.46	545.66	487.82	46.6	45.7	43.4	12.07	11.94	11.24
Electronic and Other Electric Equipment	384.73	387.50	368.76	42.7	43.2	42.0	9.01	8.97	8.78
Transportation Equipment	754.20	855.36	701.46	43.9	48.0	43.3	17.18	17.82	16.20
Motor Vehicles and Equipment	763.00	880.76	704.69	43.8	48.5	43.1	17.42	18.16	16.35
Nondurable Goods[g]	511.66	531.72	495.64	40.9	42.1	41.2	12.51	12.63	12.03
Food and Kindred Products	340.34	367.85	356.51	39.3	41.1	41.6	8.66	8.95	8.57
Paper and Allied Products	494.16	505.12	489.63	43.5	44.0	43.6	11.36	11.48	11.23
Printing and Publishing	463.34	455.12	464.47	39.5	38.8	39.8	11.73	11.73	11.67
Rubber and Miscellaneous Plastics Products	695.93	712.34	644.40	41.4	42.2	40.3	16.81	16.88	15.99
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	572.27	565.21	583.23	40.5	40.2	41.6	14.13	14.06	14.02
Communications	575.26	566.35	587.23	40.2	39.8	41.5	14.31	14.23	14.15
Wholesale Trade	399.40	398.59	401.00	39.9	39.7	40.1	10.01	10.04	10.00
Retail Trade[i]	179.22	177.37	171.03	29.0	28.7	28.6	6.18	6.18	5.98
General Merchandise Stores	185.76	182.17	176.53	28.8	28.2	28.2	6.45	6.46	6.26
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	271.92	273.38	261.33	....	....	....	.....	.....	.....
Services	......	......	......	...	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	421.26	416.93	382.70	34.7	34.6	34.2	12.14	12.05	11.19

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

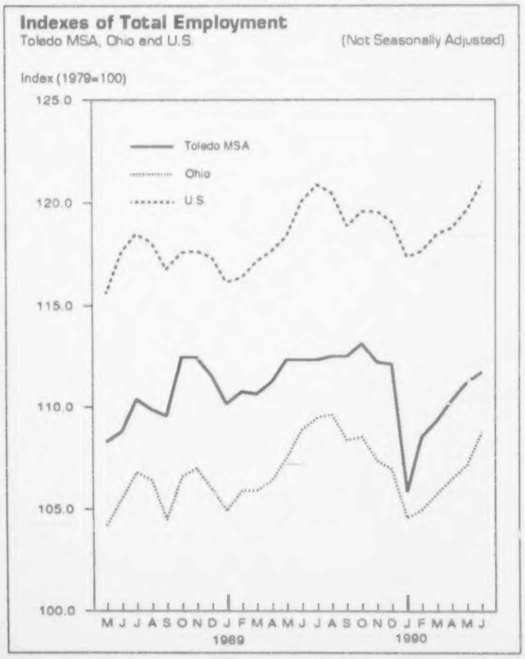
Toledo
Metropolitan Statistical Area

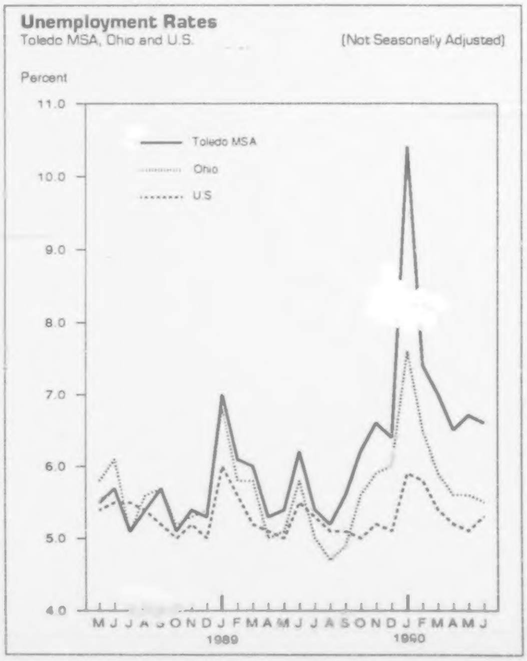


Nonagricultural payroll employment in the Toledo metropolitan area dropped 4,600 below the June level to 294,700 in July 1990. Cyclical layoffs of nonteaching personnel in local and state schools and colleges lowered employment in service-producing industries 4,600. The number of employees in goods-producing industries decreased 100 over the month to 73,600. Slight declines in manufacturing, especially transportation equipment, primary metal industries, and food and kindred products, counterbalanced modest gains in construction employment. Factory production workers averaged $13.46 per hour, down 4 cents from June. Their average workweek of 43.0 hours was 0.4 hours shorter.

Nonfarm wage and salary employment advanced 4,900 between July 1989 and July 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were services (+2,600) and retail trade (+2,000). The workforce in goods-producing industries decreased 400 during the period. Over-the-year reductions in manufacturing overshadowed modest growth in construction. Production cutbacks among producers of nondurable goods and transportation equipment negated an increase in fabricated metal products.

Seasonally adjusted employment in the Toledo area totaled 298,000 in July 1990, down 1,000 from June. Decreases in transportation and public utilities and government outweighed an increase in services. Since July 1989, total payroll employment advanced 5,000. Growth in services, retail trade, government, and construction more than offset a decline in manufacturing.


Indexes of Total Employment
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Toledo MSA, Ohio and U.S. (Not Seasonally Adjusted)

Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
317.3	300.2	17.1	5.4	July	289.8	61.2	43.5	566.24	42.8	13.23
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
INA	INA	INA	INA	July	294.7	59.9	43.0	578.78	43.0	13.46

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	74	12	62	July	219	14	16	59	12	76	42
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	61	12	79	43

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment [in thousands]			Change[d] [in thousands]	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	294.7	299.4	289.8	-4.6	4.9
Goods-Producing Industries[e]	73.6	73.7	74.0	-.1	-.4
Construction	13.4	13.1	12.6	.3	.8
Manufacturing	59.9	60.3	61.2	-.3	-1.2
Durable Goods[f]	45.0	45.2	45.4	-.1	-.4
Stone, Clay, and Glass Products	7.7	7.8	7.9	.0	-.2
Primary Metal Industries	3.5	3.5	3.4	-.1	.0
Fabricated Metal Products	7.4	7.3	7.0	.1	.4
Metal Forgings and Stampings	2.6	2.6	2.8	.0	-.2
Industrial Machinery and Equipment	5.7	5.6	5.9	.1	-.2
Transportation Equipment	13.8	14.0	14.4	-.2	-.6
Nondurable Goods[g]	14.9	15.1	15.8	-.2	-.8
Food and Kindred Products	3.8	3.9	4.0	-.1	-.2
Rubber and Miscellaneous Plastics Products	4.0	4.1	4.1	.0	-.1
Service-Producing Industries	221.1	225.7	215.8	-4.6	5.3
Transportation and Public Utilities	14.7	14.7	14.4	.1	.3
Transportation	9.9	9.8	9.4	.1	.4
Communications, Electric, Gas Services	4.9	4.9	5.0	.0	-.1
Wholesale Trade	16.4	16.4	16.0	.0	.4
Wholesale Trade-Durable Goods	10.9	10.8	10.6	.0	.3
Wholesale Trade-Nondurable Goods	5.5	5.6	5.4	-.1	.1
Retail Trade	60.4	60.8	58.4	-.4	2.0
General Merchandise Stores	8.2	8.1	8.1	.0	.1
Finance, Insurance, and Real Estate	12.1	12.1	12.3	.0	-.2
Finance	6.3	6.3	6.5	.1	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	79.5	79.4	77.0	.2	2.6
Business Services	14.2	14.0	13.8	.2	.4
Personnel Supply Services	5.5	5.4	5.4	.0	.0
Health Services	27.9	27.8	27.7	.1	.2
Nursing and Personal Care Facilities	4.2	4.1	4.2	.1	.0
Hospitals	15.1	15.1	15.2	.0	.0
Engineering and Management Services	6.6	6.5	6.0	.1	.6
Government	37.9	42.3	37.7	-4.4	.2
Federal Government	2.7	3.0	2.7	-.3	-.1
State Government	13.1	14.3	12.7	-1.1	.5
State Government Education[h]	8.6	9.8	8.3	-1.2	.3
Local Government	22.1	25.1	22.3	-3.0	-.2
Local Government Education	11.4	14.4	11.6	-3.1	-.2

8

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$578.78	$585.90	$566.24	43.0	43.4	42.8	$13.46	$13.50	$13.23
Durable Goods[f]	582.51	592.34	574.74	42.8	43.3	42.7	13.61	13.68	13.46
Stone, Clay, and Glass Products	544.94	559.95	485.62	43.7	44.3	41.9	12.47	12.64	11.59
Primary Metal Industries	526.32	560.48	464.09	45.1	47.7	41.4	11.67	11.75	11.21
Fabricated Metal Products	496.17	505.47	448.26	42.7	43.5	40.9	11.62	11.62	10.96
Metal Forgings and Stampings	663.59	703.95	585.96	41.5	43.4	40.3	15.99	16.22	14.54
Industrial Machinery and Equipment	509.12	520.37	491.42	43.0	43.4	42.4	11.84	11.99	11.59
Transportation Equipment	730.38	749.49	761.77	42.0	43.0	44.6	17.39	17.43	17.08
Nondurable Goods[g]	570.70	563.73	539.57	43.9	43.7	43.2	13.00	12.90	12.49
Food and Kindred Products	704.05	673.60	656.93	47.7	46.2	46.1	14.76	14.58	14.25
Rubber and Miscellaneous Plastics Products	370.39	393.27	378.86	41.2	42.7	43.2	8.99	9.21	8.77
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	646.46	657.90	609.22	41.6	42.2	41.5	15.54	15.59	14.68
Wholesale Trade	414.96	418.00	414.63	39.9	40.0	40.1	10.40	10.45	10.34
Retail Trade[i]	169.46	163.96	164.33	27.6	27.1	27.9	6.14	6.05	5.89
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	358.14	357.92	345.71	....	....	....	.....	.....	.....

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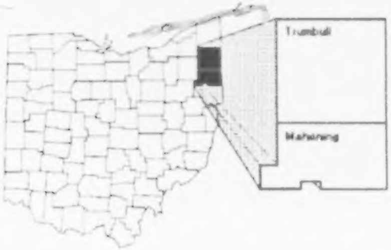
[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor- management disputes.

Youngstown-Warren Metropolitan Statistical Area

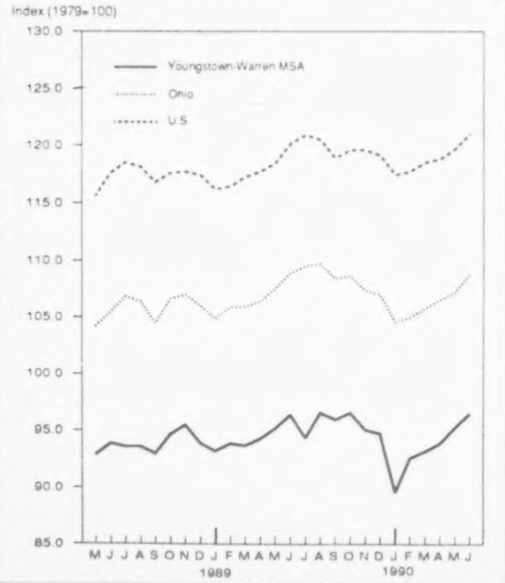


In the Youngstown-Warren metropolitan area, total nonfarm payroll employment fell 8,600 below the June level to 196,400 in July 1990. The workforce in goods-producing industries dropped 6,200 to 52,900 due to declines in manufacturing. Less business and temporary shutdowns due to model changeovers lowered employment in transportation equipment and primary metal industries. Seasonal layoffs of nonteaching personnel in state and local schools and colleges lowered employment in service-producing industries 2,400 over the month. Manufacturing production workers averaged $14.37 per hour, down 32 cents from June. Their average workweek of 42.2 hours was 1.1 hours shorter.

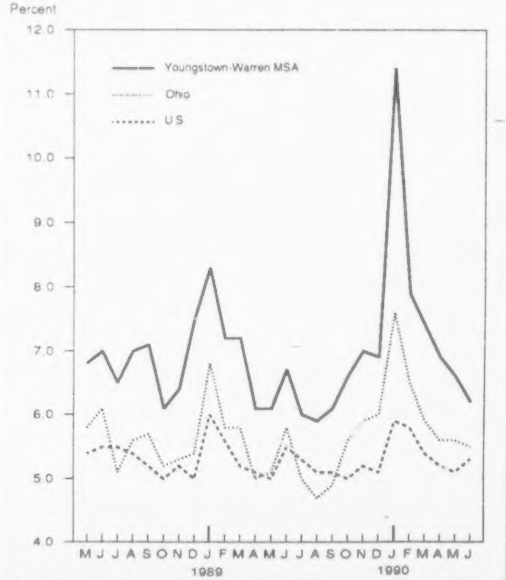
Nonagricultural wage and salary employment advanced 2,900 between July 1989 and July 1990. The improvement was concentrated in the service-producing sector. Leading areas of expansion were retail trade (+1,500), services (+1,500), and wholesale trade (+1,000). Employment in goods-producing industries declined 1,800 from the year-ago level chiefly due to reductions in durable-goods manufacturing, particularly transportation equipment.

Seasonally adjusted employment in the Youngstown-Warren area dropped 5,000 from June to 197,000 in July 1990. A significant decrease in manufacturing negated a modest gain in government. Since July 1989, total payroll employment rose 2,000. Growth in services, wholesale trade, retail trade, and government outweighed a reduction in manufacturing.

Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. (Not Seasonally Adjusted)



Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
		Total	Rate				Manufacturing Production Workers			
								Hours & Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
220.9	207.6	13.4	6.0	July	193.6	45.7	33.4	581.28	42.0	13.84
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
226.4	212.2	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
INA	INA	INA	INA	July	196.4	43.7	31.3	606.41	42.2	14.37

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
195	55	8	47	July	140	8	11	42	9	46	24
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	196.4	205.0	193.6	-8.6	2.9
Goods-Producing Industries[e]	52.9	59.2	54.8	-6.2	-1.8
Construction	8.7	6.5	8.7	.2	.0
Manufacturing	43.7	50.1	45.7	-6.4	-1.9
Durable Goods[f]	38.5	44.8	40.5	-6.2	-2.0
Primary Metal Industries	18.0	18.7	18.1	-.7	-.1
Blast Furnace and Basic Steel Products	6.1	6.1	6.2	.0	-.1
Fabricated Metal Products	7.3	7.4	7.1	-.1	.2
Metal Forgings and Stampings	3.9	3.9	3.5	.0	.4
Industrial Machinery and Equipment	4.3	4.3	4.4	.0	-.1
Transportation Equipment	4.0	9.4	5.6	-5.4	-1.6
Nondurable Goods[g]	5.2	5.4	5.1	-.2	.1
Service-Producing Industries	143.5	145.8	138.8	-2.4	4.7
Transportation and Public Utilities	8.0	8.0	7.8	.0	.2
Wholesale Trade	12.0	12.0	11.0	.0	1.0
Wholesale Trade-Durable Goods	7.4	7.4	7.1	.0	.3
Wholesale Trade-Nondurable Goods	4.6	4.6	3.9	.1	.7
Retail Trade	43.9	43.9	42.5	.1	1.5
General Merchandise Stores	5.3	5.2	5.4	.1	.0
Finance, Insurance, and Real Estate	8.8	8.9	8.8	-.1	.0
Finance	4.8	4.8	4.8	.0	.0
Services	48.8	48.8	47.3	.0	1.5
Health Services	21.5	21.4	21.2	.2	.3
Nursing and Personal Care Facilities	5.0	4.9	4.7	.1	.2
Hospitals	10.8	10.8	10.9	.0	-.1
Government	22.0	24.3	21.5	-2.3	.5
State Government	3.4	4.6	3.4	-1.2	-.1
State Government Education[h]	1.8	3.0	1.8	-1.2	.0
Local Government	16.5	17.6	15.9	-1.1	.6
Local Government Education	9.6	10.8	9.3	-1.2	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$606.41	$636.08	$581.28	42.2	43.3	42.0	$14.37	$14.69	$13.84
Durable Goods[f]	622.66	654.24	599.96	42.3	43.5	42.4	14.72	15.04	14.15
Primary Metal Industries	691.87	712.75	654.52	43.0	43.7	42.2	16.09	16.31	15.51
Blast Furnace and Basic Steel Products	669.24	670.18	621.06	46.8	46.8	45.3	14.30	14.32	13.71
Fabricated Metal Products	597.49	652.77	593.05	41.9	45.3	43.8	14.26	14.41	13.54
Metal Forgings and Stampings	715.28	805.16	711.68	42.5	48.3	45.1	16.83	16.67	15.78
Industrial Machinery and Equipment	510.47	519.16	483.48	41.3	41.8	40.8	12.36	12.42	11.85
Transportation Equipment	712.07	710.92	694.00	44.7	44.6	45.3	15.93	15.94	15.32
Nondurable Goods[g]	468.44	439.01	401.28	41.9	40.8	38.0	11.18	10.76	10.56
Wholesale Trade	373.16	375.44	372.30	38.0	38.0	38.5	9.82	9.88	9.67
Retail Trade[i]	182.27	178.85	182.47	27.7	27.6	28.6	6.58	6.48	6.38
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	225.26	225.10	218.92	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes mining. [f]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g]Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Nonagricultural payroll employment in the Hamilton-Middletown metropolitan area totaled 93,400 in July 1990, down 600 from June. Seasonal layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 500. Goods-producing industries, at 27,600, lost 100 jobs due to reductions in durable-goods manufacturing, particularly primary metal industries and fabricated metal products. Factory production workers averaged $13.91 per hour, down 14 cents from June. Their average workweek was 0.8 hours shorter at 45.7 hours. Nonfarm wage and salary employment advanced 200 between July 1989 and July 1990. Employment in service-producing industries increased 900 primarily due to growth in services, especially health services. Noteworthy gains also occurred in retail trade, transportation and public utilities, and wholesale trade. The workforce in goods-producing industries declined 700 from the year-ago level as decreased production in manufacturing outweighed growth in construction and mining. Employment declined in primary metal industries, paper and allied products, and fabricated metal products.

Lima MSA
In the Lima metropolitan area, total nonfarm wage and salary employment, at 76,000 in July 1990, was unchanged from June. Modest growth in construction and mining raised employment in goods-producing industries 100 to 27,200. Seasonal layoffs of nonteaching personnel in local schools outweighed scattered increases to lower service-producing industries 100. Manufacturing production workers averaged $13.24 per hour, down fractionally from June. Their average workweek was 0.2 hours shorter at 41.9 hours. Nonagricultural payroll employment advanced 2,500 between July 1989 and July 1990. Expansion in service-producing industries, especially retail trade and services, created 2,300 jobs. Employment in goods-producing industries increased 200. Gains in construction and mining more than offset reductions in manufacturing. A modest decline in transportation equipment counterbalanced improvements in fabricated metal products and industrial machinery and equipment.

Lorain–Elyria PMSA
Total nonagricultural payroll employment in the Lorain-Elyria metropolitan area fell 1,700 from June to 93,700 in July 1990. Employment in service-producing industries declined 2,000 primarily due to seasonal layoffs of nonteaching personnel in local schools. Modest growth in construction and mining raised employment in goods-producing industries 300 over the month to 33,100. Manufacturing production workers averaged $13.41 per hour, down 10 cents from June. Their average workweek of 42.2 hours was 0.6 hours shorter. Nonfarm wage and salary employment advanced 1,100 between July 1989 and July 1990. Growth in retail trade, services, and local government helped raise employment in service-producing industries 1,800. The workforce in the goods-producing sector dropped 700. Over-the-year reductions in durable-goods manufacturing, especially transportation equipment, negated modest increases in construction and mining.

Mansfield MSA
Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 60,600 in July 1990, down 600 from June. Seasonal layoffs of nonteaching personnel in local schools and less business in retail trade lowered employment in service-producing industries 700. Goods-producing industries, at 20,900, added 100 jobs. Growth in construction and mining outweighed scattered decreases in durable-goods manufacturing. Factory production workers averaged $13.52 per hour, unchanged from June. Their average workweek was 0.5 hours shorter at 41.8 hours. Nonagricultural payroll employment declined 100 between July 1989 and July 1990. Employment in goods-producing industries dropped 800 over the year. Reductions in durable-goods manufacturing, especially electronic and other electric equipment, negated nominal growth in construction and mining. Employment in the service-producing sector rose 600 primarily due to expansion in retail trade.

Steubenville–Weirton MSA
Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area fell 1,000 below the June level to 53,400 in July 1990. Less business in services and seasonal layoffs of nonteaching personnel in local schools lowered employment in service-producing industries 1,000. Employment in goods-producing industries, at 20,800, was unchanged over the month. Manufacturing production workers averaged $11.72 per hour, up fractionally from June. Their average workweek of 43.8 hours was 0.2 hours longer. Nonfarm wage and salary employment advanced 1,800 between July 1989 and July 1990. The service-producing sector added 1,500 jobs primarily due to expansion in retail trade and services. Gains in construction raised employment in goods-producing industries 300.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	130.4	131.9	131.9	-1.4	-1.5
Employment	122.5	123.8	123.5	-1.3	-1.0
Unemployment	7.9	8.0	8.4	-.1	-.5
Unemployment Rate	6.1	6.1	6.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	93.4	94.0	93.1	-.6	.2
Goods–Producing Industries	27.6	27.7	28.3	-.1	-.7
Construction and Mining	6.3	6.3	5.9	.0	.5
Manufacturing	21.3	21.3	22.4	-.1	-1.2
Durable Goods	14.6	14.7	15.5	-.1	-.8
Primary Metal Industries	6.6	6.6	6.9	-.1	-.4
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.4	2.4	2.4	.0	.0
Nondurable Goods	6.6	6.6	7.0	.0	-.3
Paper and Allied Products	4.7	4.6	5.0	.0	-.3
Paper Mills	3.5	3.4	3.8	.0	-.3
Service–Producing Industries	65.8	66.3	64.8	-.5	.9
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	5.8	5.8	5.7	.1	.2
Wholesale Trade–Durable Goods	4.0	3.9	3.9	.1	.1
Retail Trade	17.9	17.9	17.6	.0	.3
Food Stores	3.0	3.0	3.2	.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.8	.0	-.2
Services	20.2	20.1	19.5	.0	.7
Health Services	8.5	8.5	8.1	.1	.4
Government	13.7	14.3	13.9	-.6	-.2
State Government	3.5	3.7	3.5	-.2	.0
Local Government	9.6	9.9	9.8	-.3	-.2
Local Government Education	6.0	6.4	6.0	-.4	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton–Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$635.69	$653.33	$604.27	45.7	46.5	45.4	$13.91	$14.05	$13.31
Durable Goods	659.27	686.83	616.06	46.2	47.4	45.6	14.27	14.49	13.51
Primary Metal Industries	773.33	816.08	738.46	49.1	50.5	49.1	15.75	16.16	15.04
Fabricated Metal Products	487.63	519.96	471.11	40.2	42.0	40.3	12.13	12.38	11.69
Industrial Machinery and Equipment	630.50	653.87	633.91	48.5	49.8	48.8	13.00	13.13	12.99
Nondurable Goods	580.65	571.03	571.71	44.7	44.3	44.7	12.99	12.89	12.79
Paper and Allied Products	603.13	593.43	600.44	45.9	45.3	45.8	13.14	13.10	13.11
Paper Mills	602.52	602.99	622.17	45.2	45.1	46.5	13.33	13.37	13.38
Wholesale Trade	433.65	443.92	427.91	41.3	41.8	42.2	10.50	10.62	10.14
Retail Trade[i]	178.13	178.23	167.61	28.5	28.7	28.7	6.25	6.21	5.84

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [i]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	80.2	79.1	79.9	1.1	.3
Employment	75.0	73.9	75.2	1.1	-.2
Unemployment	5.1	5.2	4.7	-.1	.5
Unemployment Rate	6.4	6.6	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	76.0	75.9	73.4	.0	2.5
Goods-Producing Industries	27.2	27.1	26.9	.1	.2
Construction and Mining	3.8	3.7	3.5	.1	.3
Manufacturing	23.4	23.4	23.4	.0	-.1
Durable Goods	17.0	17.1	17.2	-.1	-.2
Fabricated Metal Products	2.8	2.8	2.5	.0	.3
Industrial Machinery and Equipment	4.3	4.3	4.1	.0	.2
Transportation Equipment	7.2	7.3	7.7	-.1	-.5
Motor Vehicles and Equipment	3.5	3.6	3.5	-.1	.0
Nondurable Goods	6.4	6.3	6.2	.1	.2
Food and Kindred Products	2.0	1.9	1.9	.1	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	.0	.0
Service-Producing Industries	48.8	48.8	46.5	-.1	2.3
Transportation and Public Utilities	3.4	3.3	3.1	.1	.3
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	15.2	15.1	14.1	.1	1.1
General Merchandise Stores	2.2	2.2	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.1	15.0	14.4	.1	.7
Health Services	6.6	6.6	6.1	.0	.5
Hospitals	3.1	3.2	2.9	.0	.2
Government	9.5	9.8	9.3	-.3	.2
Local Government	7.1	7.2	6.9	-.2	.2
Local Government Education	4.1	4.3	3.9	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$554.76	$558.67	$552.08	41.9	42.1	42.5	$13.24	$13.27	$12.99
Durable Goods	550.44	554.34	545.58	41.7	41.9	42.0	13.20	13.23	12.99
Fabricated Metal Products	352.48	370.18	351.55	40.1	41.5	39.5	8.79	8.92	8.90
Industrial Machinery and Equipment	449.86	439.88	472.12	39.6	39.1	40.7	11.36	11.25	11.60
Transportation Equipment	706.49	711.94	665.68	43.0	43.2	42.4	16.43	16.48	15.70
Motor Vehicles and Equipment	820.73	848.18	747.16	46.5	47.2	44.5	17.65	17.97	16.79
Nondurable Goods	570.95	569.50	569.84	42.8	42.5	43.8	13.34	13.40	13.01
Food and Kindred Products	384.19	370.87	377.01	41.4	40.4	42.6	9.28	9.18	8.85
Rubber and Miscellaneous Plastics Products	626.04	633.86	613.08	46.1	46.2	46.8	13.58	13.72	13.10
Wholesale Trade	369.19	364.22	370.17	38.1	37.9	38.6	9.69	9.61	9.59
Retail Trade[i]	190.95	191.14	178.20	30.7	30.1	29.8	6.22	6.35	5.98
General Merchandise Stores	169.20	171.88	167.82	28.2	27.5	27.2	6.00	6.25	6.17

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	120.2	118.9	122.2	1.3	-2.0
Employment	112.6	111.0	113.8	1.7	-1.2
Unemployment	7.6	8.0	8.3	-.4	-.8
Unemployment Rate	6.3	6.7	6.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	93.7	95.5	92.6	-1.7	1.1
Goods–Producing Industries	33.1	32.8	33.8	.3	-.7
Construction and Mining	4.7	4.5	4.5	.2	.3
Manufacturing	28.3	28.3	29.3	.0	-1.0
Durable Goods	23.6	23.5	24.7	.0	-1.2
Primary Metal Industries	4.3	4.4	4.4	.0	.0
Fabricated Metal Products	4.2	4.2	4.3	.0	-.1
Transportation Equipment	7.7	7.7	8.4	.0	-.7
Nondurable Goods	4.8	4.8	4.6	.0	.2
Service–Producing Industries	60.6	62.7	58.8	-2.0	1.8
Transportation and Public Utilities	3.4	3.6	3.2	-.1	.2
Wholesale Trade	2.4	2.5	2.5	.0	-.1
Retail Trade	17.6	17.7	16.9	-.1	.7
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	21.1	21.5	20.7	-.3	.4
Health Services	8.7	8.7	8.4	.0	.3
Hospitals	4.2	4.2	4.1	.0	.1
Government	12.7	14.2	12.3	-1.5	.4
Local Government	10.5	11.8	10.3	-1.4	.2
Local Government Education	6.3	7.7	6.0	-1.4	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$565.90	$578.23	$546.48	42.2	42.8	41.4	$13.41	$13.51	$13.20
Durable Goods	597.92	611.51	573.61	42.8	43.4	41.9	13.97	14.09	13.69
Primary Metal Industries	632.26	637.06	558.55	44.4	44.8	40.8	14.24	14.22	13.69
Fabricated Metal Products	411.03	437.47	424.54	42.2	44.1	43.1	9.74	9.92	9.85
Transportation Equipment	721.63	764.62	651.25	42.7	44.3	40.3	16.90	17.26	16.16
Nondurable Goods	392.78	394.21	381.09	39.2	39.5	38.3	10.02	9.98	9.95
Wholesale Trade	366.91	361.37	362.16	38.3	38.2	38.9	9.58	9.46	9.31
Retail Trade[i]	167.40	165.54	172.06	27.0	26.7	28.3	6.20	6.20	6.08

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.2	64.4	66.8	.9	-1.6
Employment	61.0	60.0	62.4	1.0	-1.4
Unemployment	4.2	4.4	4.4	-.1	-.2
Unemployment Rate	6.5	6.8	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	60.6	61.2	60.8	-.6	-.1
Goods–Producing Industries	20.9	20.8	21.6	.1	-.8
Construction and Mining	2.5	2.3	2.3	.2	.2
Manufacturing	18.4	18.6	19.4	-.1	-.9
Durable Goods	16.4	16.5	17.3	-.1	-.9
Fabricated Metal Products	5.3	5.4	5.3	-.1	.0
Electronic and Other Electric Equipment	3.2	3.3	3.6	.0	-.4
Nondurable Goods	2.1	2.1	2.1	.0	.0
Service–Producing Industries	39.7	40.4	39.1	-.7	.6
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.3	2.2	.0	.0
Retail Trade	12.4	12.6	11.7	-.2	.7
Finance, Insurance, and Real Estate	2.4	2.5	2.5	.0	.0
Services	12.6	12.7	12.5	-.1	.1
Health Services	4.4	4.4	4.4	.0	.1
Government	7.1	7.4	7.1	-.4	.0
Local Government	5.3	5.5	5.3	-.3	-.1
Local Government Education	3.5	3.8	3.6	-.3	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$565.14	$571.90	$549.93	41.8	42.3	42.4	$13.52	$13.52	$12.97
Durable Goods	583.08	589.53	580.64	41.5	41.9	42.6	14.05	14.07	13.63
Fabricated Metal Products	697.19	727.95	830.80	40.7	42.2	45.3	17.13	17.25	18.34
Electronic and Other Electric Equipment	443.30	441.10	457.97	40.3	40.1	41.9	11.00	11.00	10.93
Nondurable Goods	404.93	419.07	308.39	44.4	45.8	40.9	9.12	9.15	7.54
Wholesale Trade	343.14	341.85	328.80	39.9	40.6	40.0	8.60	8.42	8.22
Retail Trade[i]	166.96	165.36	161.01	26.8	26.8	28.1	6.23	6.17	5.73

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville-Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jun. 1990[b]	May 1990[c]	Jun. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	58.5	57.4	57.4	1.1	1.1
Employment	55.1	53.9	53.6	1.2	1.5
Unemployment	3.4	3.5	3.8	-.1	-.4
Unemployment Rate	5.8	6.1	6.6		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville-Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Total	53.4	54.4	51.6	-1.0	1.8
Goods-Producing Industries	20.8	20.8	20.4	.0	.3
Mining	1.0	1.0	.9	.0	.0
Construction	2.0	2.0	1.7	.0	.4
Manufacturing	17.8	17.8	17.9	.0	-.1
Durable Goods	16.1	16.1	16.3	.0	-.2
Primary Metal Industries	12.8	12.8	13.0	.0	-.2
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service-Producing Industries	32.7	33.7	31.2	-1.0	1.5
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	1.4	1.4	1.4	.0	.0
Retail Trade	9.6	9.7	9.0	-.1	.6
General Merchandise Stores	1.8	1.7	1.6	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.7	11.2	10.1	-.5	.6
Health Services	4.6	4.6	4.5	.0	.1
Hospitals	2.4	2.5	2.4	.0	.0
Government	5.9	6.2	5.7	-.3	.2
Local Government	5.0	5.3	4.8	-.3	.2
Local Government Education	2.9	3.2	2.9	-.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville-Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]
Manufacturing	$513.34	$509.68	$500.09	43.8	43.6	43.0	$11.72	$11.69	$11.63
Durable Goods	542.39	536.98	528.94	44.9	44.6	44.3	12.08	12.04	11.94
Primary Metal Industries	573.42	573.29	554.40	45.8	45.9	45.0	12.52	12.49	12.32
Nondurable Goods	194.17	206.01	169.20	32.2	32.7	28.2	6.03	6.30	6.00
Wholesale Trade	337.05	336.31	323.40	39.7	39.8	38.5	8.49	8.45	8.40
Retail Trade[f]	168.60	163.41	165.59	28.1	27.1	29.0	6.00	6.03	5.71

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[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Money payments only; tips not included. [f] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\underset{\text{(current month)}}{\text{Sample Employment}}}{\underset{\text{(previous month)}}{\text{Sample Employment}}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	July 1990	June 1990	July 1989
New Applicants	34,159	32,579	27,022
Active File of Job Seekers	226,211	186,512	263,145
Counseling Interviews	721	720	456
Tests Administered	2,202	1,666	1,097
General Aptitude Tests	408	247	70
Proficiency Tests	321	264	280
Specific Aptitude Tests	0	185	95
Referrals to Jobs	25,314	23,230	19,261
Placements	7,342	6,414	7,551
Job Openings Received	INA	11,580	26,936
Job Openings Unfilled	17,590	19,766	24,355

INA = Information not available

Selected Unemployment Insurance Activities

	Ohio		
	July 1990	June 1990	July 1989
Initial Claims	66,696	38,085	62,654
Continued Claims	375,903	310,847	323,079
First Payments	20,720	17,406	21,828
Last Payments	6,573	6,553	6,155
Average Weekly Claimants	82,996	76,198	76,168
Average Weekly Benefit Recipients	66,915	67,701	60,480
Weeks Compensated	275,970	291,559	248,345
Benefits Paid	$44,830,414	$47,559,690	$37,618,942
Average Weekly Payment	$166.25	$166.79	$158.76
Continued Claims for Survey Week	89,540	75,642	70,095
Insured Unemployment Rate	1.8	1.7	1.7
Net Contributions	$34,060,195	$6,110,441	$61,006,917
Active Employer Accounts	207,019	207,048	204,637

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Ohio
Labor
Market
Information

Labor Market Review

August 1990

Summary. The seasonally adjusted unemployment rate in Ohio dropped from 5.7 percent in July to 5.0 percent in August 1990. The U.S. rate rose slightly, from 5.5 percent to 5.6 percent over the month. Ohio's total employment was up 70,000 from July to 5,174,000 in August. There were 272,000 jobless Ohioans in August, down 35,000 from July. Nonagricultural wage and salary employment (seasonally adjusted), at 4,941,000 in August, increased 12,000 from July. Service-producing industries, up 9,000 jobs, contributed most to the improvement. (See page 3.)

Goods-Producing Industries. Employment in goods-producing industries advanced 3,000 from July to 1,338,000 in August. Gains in transportation equipment resulting from recalls from layoffs for model changeovers raised durable-goods manufacturing employment 2,000 to 747,000. Nondurable-goods employment was virtually unchanged at 373,000. Construction employment was up 1,000 to 200,000 due to growth in special trade contractors. Employment in mining remained at the July level of 18,000.

Service-Producing Industries. There were 3,603,000 people employed in service-producing industries in August, up 9,000 from July. Most of the increase occurred in services, which rose 6,000. Retail trade added 2,000 jobs, while wholesale trade and finance, insurance, and real estate each went up 1,000. Little change took place in transportation and public utilities. Employment in government declined 1,000 over the month.

Over the Year. Ohio's unemployment rate increased from 4.9 percent in August 1989 to 5.0 percent in August 1990. The national rate rose from 5.3 percent to 5.6 percent over the year. Total employment in Ohio was up 12,000 from August 1989, while total unemployment was 7,000 higher. Since August 1989, nonfarm payroll employment advanced 112,000. The largest gains were in services (+43,000), retail trade (+33,000), and government (+17,000). Wholesale trade and construction also had notable increases. Manufacturing employment dropped 4,000 over the year. The decline occurred in durable goods, as losses in industrial machinery and equipment, primary metal industries, and electronic and other electric equipment were partially offset by gains in printing and publishing.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio earned an average of $540.59 per week in August, up $8.45 from July. Their average workweek increased 0.4 hours to 42.6 hours. Most industries had higher earnings due to more overtime in August. The most significant were metal forgings and stampings, metalworking machinery, electric lighting and wiring, preserved fruits and vegetables, and iron and steel foundries.

Benefits and Costs. There were 53,806 initial claims filed under the Ohio Unemployment Compensation Law in August, down 19.3 percent from July but up 6.0 percent from August

Ohio Bureau of Employment Services
Richard F. Celeste, Governor   Ellen O'Brien Saunders, Administrator

1989. Total benefits paid rose 22.9 percent to $55.1 million. The average weekly benefit check of $170.08 was $3.83 higher than in July. The average weekly number of benefit recipients, at 68,993, was up 3.1 percent. At the end of August, there were 207,219 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services assisted 35,485 new job applicants in August, up 4.1 percent from July, but down 18.8 percent from August 1989. The Employment Services Division made 25,126 job referrals in August, down 0.7 percent from July. Total placements declined 9.5 percent over the month to 6,645.

Collection Method Alternatives
For the *Report on Employment, Payroll, and Hours*

Service-sector employers of one hundred or more workers will soon be given the opportunity to report their monthly data by telephone at a convenient, prearranged time. Interviewers will telephone employers once each month to collect data, doing away with the familiar but less efficient mailed shuttle schedule.

If you are a large employer in services, information on this pilot project will be reaching your mailbox in the near future.

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Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1990	Jul. 1990	Aug. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,446	5,411	5,427	35	19	.6	.4
Employment	5,174	5,104	5,162	70	12	1.4	.2
Unemployment	272	307	265	-35	7	-11.4	2.6
Unemployment Rate	5.0	5.7	4.9				
Employer Survey Data[e]							
Total	4,941	4,928	4,828	12	112	.2	2.3
Goods-Producing Industries	1,338	1,334	1,335	3	3	.3	.2
Mining	18	18	18	0	0	.0	.0
Coal Mining	7	7	8	0	0	-.1	-2.2
Oil and Gas Extraction	6	6	6	0	0	-.4	-.7
Construction	200	198	193	1	7	.6	3.7
General Building Contractors	47	47	46	0	1	.9	2.3
Heavy Construction, Except Building	23	23	23	0	0	.4	-1.5
Special Trade Contractors	130	129	123	1	6	.6	5.2
Manufacturing	1,120	1,118	1,124	2	-4	.2	-.4
Durable Goods	747	745	755	2	-8	.3	-1.0
Lumber and Wood Products	23	23	22	0	1	-1.2	2.3
Furniture and Fixtures	15	15	15	0	0	.2	-.6
Stone, Clay, and Glass Products	45	46	45	0	0	-.7	-.3
Primary Metal Industries	101	100	103	1	-2	.6	-1.9
Fabricated Metal Products	136	136	136	0	0	-.1	.2
Industrial Machinery and Equipment	166	167	168	-1	-3	-.5	-1.6
Electronic and Other Electric Equipment	77	78	79	0	-2	-.4	-2.6
Transportation Equipment	143	139	143	4	-1	2.7	-.6
Instruments and Related Products	26	26	27	0	-1	-.4	-3.0
Nondurable Goods	373	373	370	0	4	.0	1.0
Food and Kindred Products	62	63	62	-1	0	-2.0	.3
Apparel and Other Textile Products	15	15	15	0	0	-.9	-1.1
Paper and Allied Products	38	38	38	0	0	.4	.7
Printing and Publishing	76	76	74	0	2	.1	2.9
Chemicals and Allied Products	67	67	66	0	1	.2	1.9
Rubber and Misc. Plastics Products	97	96	97	1	0	1.1	.3
Service-Producing Industries	3,603	3,594	3,494	9	109	.2	3.1
Transportation and Public Utilities	218	218	216	0	3	.0	1.2
Transportation	129	129	125	0	4	.3	3.2
Communications, Electric, Gas Services	89	89	90	0	-1	-.4	-1.6

See footnotes on page 4.

Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Aug. 1990	Jul. 1990	Aug. 1989	From Last Month	From Last Year	From Last Month	From Last Year
Wholesale Trade	274	273	265	1	9	.3	3.4
Wholesale Trade-Durable Goods	173	173	168	0	5	.2	3.2
Wholesale Trade-Nondurable Goods	101	100	97	0	4	.4	3.7
Retail Trade	939	937	906	2	33	.2	3.6
Building Materials and Garden Supplies	36	36	35	0	1	.1	4.1
General Merchandise Stores	129	129	126	0	2	-.3	1.8
Food Stores	144	144	140	0	4	-.1	2.7
Automotive Dealers and Service Stations	103	102	99	0	4	.3	3.5
Apparel and Accessory Stores	53	53	49	0	4	.6	8.6
Furniture and Homefurnishings Stores	34	34	32	0	2	.7	6.6
Eating and Drinking Places	316	315	309	1	7	.2	2.3
Miscellaneous Retail	124	124	116	1	8	.4	7.2
Finance, Insurance, and Real Estate	258	257	253	1	4	.3	1.8
Finance	121	121	120	0	1	.2	.8
Depository Institutions	91	91	91	0	0	.2	.0
Insurance	93	93	91	0	2	.1	2.0
Real Estate	44	43	42	0	2	.6	4.0
Services	1,189	1,182	1,145	6	43	.5	3.8
Hotels and Other Lodging Places	39	39	38	0	1	.3	1.8
Personal Services	55	55	54	0	1	.1	2.5
Business Services	219	217	205	2	14	.8	6.8
Amusements, Including Motion Pictures	56	57	59	0	-2	-.5	-3.8
Health Services	399	397	386	2	13	.5	3.3
Legal Services	30	30	29	0	2	.3	6.3
Educational Services	62	61	60	1	2	1.9	2.9
Social Services	76	76	73	0	3	.4	4.3
Membership Organizations	81	81	79	0	3	.5	3.4
Engineering and Management Services	88	88	85	1	3	.7	3.7
Government	725	726	708	-1	17	-.1	2.4
Federal Government	99	99	98	0	2	.1	1.7
State Government	163	162	159	1	4	.5	2.5
State Government Education	85	85	83	1	3	.8	3.1
Local Government	463	465	452	-2	11	-.3	2.4
Local Government Education	270	270	264	0	6	.2	2.4

---

[a] Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b] Changes are computed from unrounded numbers. [c] Percentages are computed from unrounded numbers. [d] From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e] From the Current Employment Statistics Survey, a monthly survey of approximately 12,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(In Thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
					1988
5,311	5,007	304	5.7	5.6	August
5,283	4,966	317	6.0	5.4	September
5,333	5,038	295	5.5	5.3	October
5,362	5,063	299	5.6	5.3	November
5,350	5,060	290	5.4	5.3	December
					1989
5,399	5,078	321	5.9	5.4	January
5,386	5,109	277	5.1	5.2	February
5,403	5,116	287	5.3	5.0	March
5,374	5,090	284	5.3	5.3	April
5,409	5,116	293	5.4	5.2	May
5,445	5,142	303	5.6	5.3	June
5,420	5,124	296	5.5	5.3	July
5,427	5,162	265	4.9	5.3	August
5,441	5,153	288	5.3	5.3	September
5,462	5,135	327	6.0	5.3	October
5,415	5,081	334	6.2	5.3	November
5,442	5,110	332	6.1	5.3	December
					1990
5,426	5,060	366	6.7	5.3	January
5,372	5,061	311	5.8	5.3	February
5,402	5,107	295	5.5	5.2	March
5,417	5,098	319	5.9	5.4	April
5,428	5,107	321	5.9	5.3	May
5,419	5,135	284	5.2	5.2	June
5,411	5,104	307	5.7	5.5	July
5,446	5,174	272	5.0	5.6	August

Ohio Nonagricultural Wage and Salary Employment
(In Thousands)

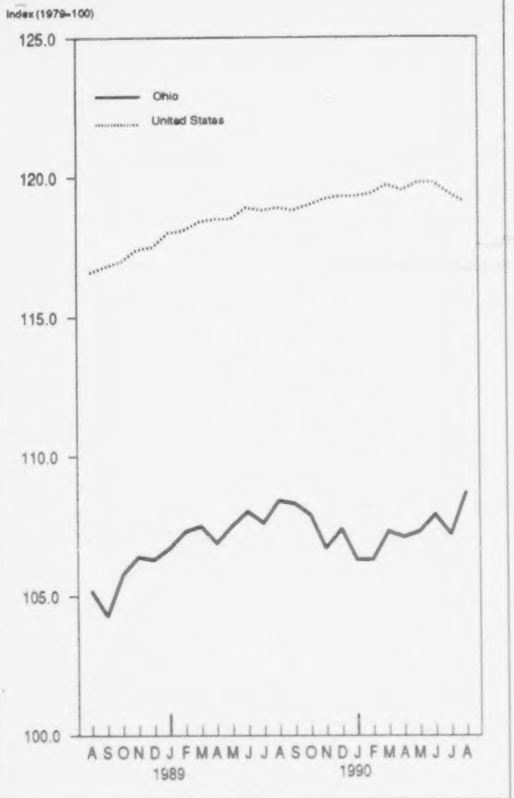
	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1988					
August	4,713	1,317	19	186	1,112
September	4,727	1,320	19	186	1,115
October	4,732	1,322	18	184	1,119
November	4,745	1,325	18	186	1,121
December	4,761	1,329	18	188	1,123
1989					
January	4,775	1,338	18	191	1,128
February	4,796	1,340	18	194	1,128
March	4,817	1,342	18	194	1,130
April	4,791	1,336	18	193	1,125
May	4,795	1,332	18	190	1,125
June	4,809	1,335	18	192	1,126
July	4,809	1,325	15	192	1,118
August	4,828	1,335	18	193	1,124
September	4,835	1,334	18	193	1,122
October	4,834	1,324	18	194	1,112
November	4,850	1,332	18	196	1,119
December	4,862	1,334	18	197	1,119
1990					
January	4,848	1,312	18	198	1,097
February	4,892	1,341	18	199	1,124
March	4,905	1,340	18	200	1,122
April	4,904	1,340	18	199	1,122
May	4,917	1,337	18	198	1,121
June	4,928	1,341	18	199	1,124
July	4,928	1,334	18	198	1,118
August	4,941	1,338	18	200	1,120

Service-Producing Employment
(In Thousands)

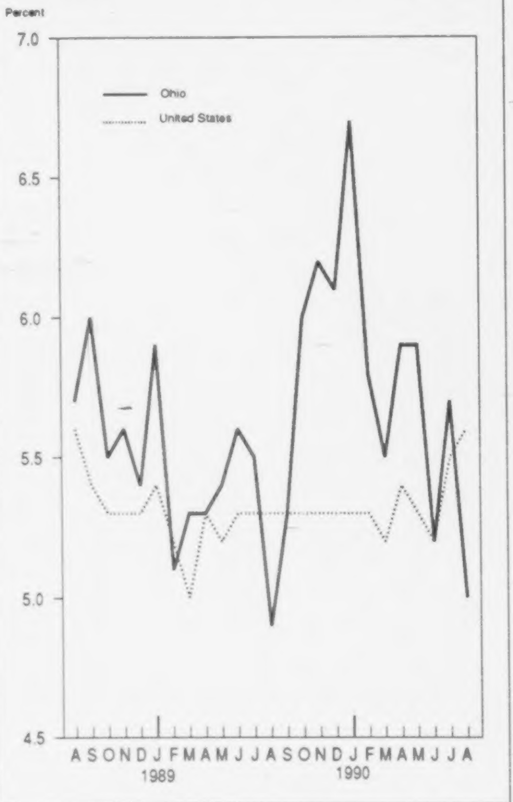
Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
		1988				1988		
3,396	214	August	258	881	249	August	1,105	689
3,407	213	September	258	881	249	September	1,109	696
3,410	212	October	259	879	249	October	1,112	698
3,419	213	November	260	881	249	November	1,116	700
3,432	214	December	260	886	250	December	1,123	700
		1989				1989		
3,437	215	January	261	889	250	January	1,124	699
3,456	215	February	261	897	251	February	1,130	701
3,475	215	March	262	905	252	March	1,137	703
3,455	215	April	261	896	251	April	1,131	702
3,463	215	May	262	896	251	May	1,133	704
3,474	215	June	263	900	252	June	1,138	704
3,484	215	July	264	904	253	July	1,141	707
3,494	216	August	265	906	253	August	1,145	708
3,501	216	September	266	909	254	September	1,148	708
3,509	217	October	267	913	254	October	1,148	711
3,518	217	November	267	916	255	November	1,152	710
3,527	218	December	268	919	255	December	1,156	711
		1990				1990		
3,535	219	January	269	926	256	January	1,154	711
3,551	219	February	269	931	257	February	1,159	717
3,565	220	March	270	934	257	March	1,166	718
3,564	218	April	270	932	257	April	1,168	719
3,580	218	May	271	933	257	May	1,172	728
3,587	219	June	272	937	257	June	1,177	725
3,594	218	July	273	937	257	July	1,182	726
3,603	218	August	274	939	258	August	1,189	725

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

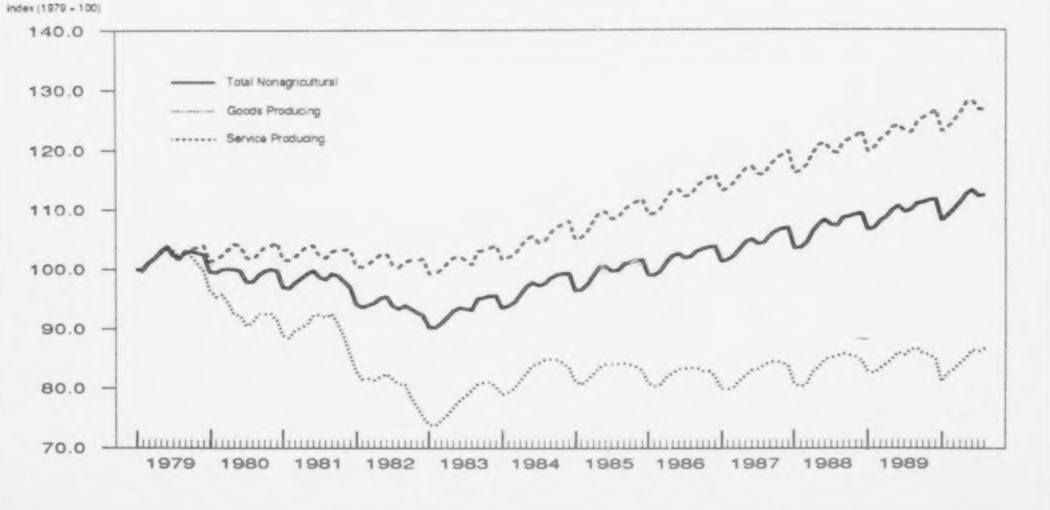
Indexes of Total Employment
Ohio and U.S. (Seasonally Adjusted)



Unemployment Rates
Ohio and U.S. (Seasonally Adjusted)



Index of Nonagricultural Wage and Salary Employment
(Not Seasonally Adjusted)



Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates		
Total	Employed	Unemployed	Ohio	U.S.	
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,232	4,806	425	8.1	7.0	1986
5,253	4,886	367	7.0	6.2	1987
5,322	5,002	320	6.0	5.5	1988
5,419	5,118	300	5.5	5.3	1989
					1989
5,481	5,223	259	4.7	5.1	August
5,425	5,158	267	4.9	5.1	September
5,477	5,169	308	5.6	5.0	October
5,434	5,113	321	5.9	5.2	November
5,421	5,094	328	6.0	5.1	December
					1990
5,391	4,979	412	7.6	5.9	January
5,344	4,998	346	6.5	5.8	February
5,353	5,035	318	5.9	5.4	March
5,373	5,071	302	5.6	5.2	April
5,409	5,104	305	5.6	5.1	May
5,481	5,179	302	5.5	5.3	June
5,472	5,194	278	5.1	5.5	July
5,504	5,245	258	4.7	5.4	August

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

	Nonagricultural Employment				
		Goods–Producing Employment			
	Total	Total	Mining	Construction	Manufacturing
1979	4,484.8	1,596.8	31.6	182.9	1,382.3
1980	4,367.4	1,462.5	30.7	167.4	1,264.3
1981	4,317.7	1,417.0	30.7	153.7	1,232.6
1982	4,124.3	1,264.8	30.3	134.6	1,099.9
1983	4,092.5	1,223.4	26.6	130.8	1,066.0
1984	4,260.2	1,299.7	27.8	144.8	1,127.0
1985	4,372.9	1,304.3	26.1	154.0	1,124.2
1986	4,471.4	1,293.1	22.6	160.7	1,109.8
1987	4,582.6	1,296.2	20.9	176.4	1,098.9
1988	4,700.6	1,315.1	18.9	185.6	1,110.6
1989	4,817.2	1,333.9	17.8	193.1	1,123.0
1989					
August	4,830.3	1,358.7	18.5	212.3	1,128.0
September	4,877.8	1,361.7	18.5	211.8	1,131.4
October	4,885.7	1,347.1	18.6	212.3	1,116.3
November	4,900.8	1,346.8	18.3	205.5	1,123.0
December	4,909.6	1,335.6	18.1	195.8	1,121.7
1990					
January	4,752.1	1,275.5	17.6	170.6	1,087.3
February	4,790.2	1,297.3	17.3	166.2	1,113.8
March	4,834.5	1,307.0	17.5	174.7	1,114.8
April	4,889.3	1,324.4	17.7	188.3	1,118.4
May	4,949.2	1,338.0	18.0	199.6	1,120.5
June	4,977.7	1,357.5	18.4	209.5	1,129.7
July	4,934.0	1,353.1	18.5	216.6	1,118.1
August	4,941.1	1,362.2	18.4	220.0	1,123.8

Service-Producing Employment
(in thousands)

Total	Transportation & Public Utilities		Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate		Services	Government
2,888.0	232.1	1979	234.0	741.2	200.6	1979	806.2	674.0
2,904.9	223.1	1980	231.7	725.5	203.8	1980	830.9	689.9
2,900.7	217.2	1981	233.6	716.5	205.8	1981	851.6	676.0
2,859.5	206.8	1982	227.1	702.3	206.4	1982	857.3	659.6
2,869.2	198.5	1983	223.6	709.9	207.8	1983	873.3	656.1
2,960.5	203.9	1984	237.9	746.8	211.5	1984	905.2	655.2
3,068.5	202.7	1985	245.1	786.5	219.3	1985	949.5	665.2
3,178.4	203.4	1986	245.7	817.1	232.3	1986	1,001.0	678.9
3,286.4	207.8	1987	249.4	846.9	243.8	1987	1,051.2	687.3
3,385.5	212.1	1988	256.4	877.4	249.0	1988	1,096.8	693.8
3,483.3	215.9	1989	264.0	904.2	252.6	1989	1,140.8	705.7
		1989				1989		
3,471.5	218.5	August	265.7	915.4	256.1	August	1,160.0	655.8
3,516.0	219.0	September	266.0	916.8	254.9	September	1,165.8	693.6
3,538.6	219.4	October	268.0	919.7	254.1	October	1,156.2	721.2
3,554.0	219.4	November	268.5	933.3	254.3	November	1,152.0	726.5
3,574.0	220.4	December	269.6	949.1	254.7	December	1,150.5	729.7
		1990				1990		
3,476.5	213.7	January	266.4	905.9	253.6	January	1,122.6	714.2
3,492.9	213.7	February	266.2	897.5	253.8	February	1,133.2	728.6
3,527.5	215.0	March	267.7	906.6	255.0	March	1,147.7	735.5
3,564.8	216.5	April	269.5	922.0	255.5	April	1,167.6	733.7
3,611.1	218.6	May	271.5	936.7	256.8	May	1,180.4	747.2
3,620.2	220.7	June	274.0	945.9	259.3	June	1,196.9	723.4
3,580.9	220.9	July	275.0	943.7	260.4	July	1,199.6	681.2
3,578.9	221.2	August	274.8	948.6	260.7	August	1,202.5	671.1

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[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Not Seasonally Adjusted

Manufacturing Employment

	Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1979	1,382.3	978.1	404.2
1980	1,264.3	880.3	384.1
1981	1,232.6	858.2	374.4
1982	1,099.9	750.5	349.4
1983	1,066.0	721.9	344.1
1984	1,127.0	771.7	355.4
1985	1,124.2	767.0	357.3
1986	1,109.8	751.0	358.8
1987	1,098.9	738.9	360.0
1988	1,110.6	747.3	363.4
1989	1,123.0	753.2	369.8
1989			
August	1,128.0	754.9	373.1
September	1,131.4	755.5	375.9
October	1,116.3	742.1	374.2
November	1,123.0	749.5	373.5
December	1,121.7	750.0	371.7
1990			
January	1,087.3	719.3	368.0
February	1,113.8	745.8	368.0
March	1,114.8	746.1	368.7
April	1,118.4	748.5	369.9
May	1,120.5	749.3	371.2
June	1,129.7	754.2	375.5
July	1,118.1	743.4	374.6
August	1,123.8	746.8	377.0

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1979	979.0	$318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.5	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	762.3	393.0	32.8
1989	770.6	403.4	32.9
1989			
August	774.0	398.2	32.6
September	776.2	408.6	33.1
October	765.6	398.9	32.5
November	770.4	405.9	32.9
December	769.6	405.9	32.8
1990			
January	735.8	376.7	30.9
February	761.0	394.7	31.9
March	761.9	403.1	32.2
April	765.2	395.7	31.8
May	766.2	415.5	32.8
June	772.7	423.3	33.2
July	759.6	404.2	32.1
August	766.0	414.1	32.6

Production Worker Average Weekly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1979	$325.36	$335.30	$297.78
1980	347.94	358.57	319.99
1981	389.78	401.64	358.16
1982	403.81	414.80	378.95
1983	437.18	452.35	402.52
1984	463.61	482.38	417.83
1985	477.96	499.56	425.80
1986	486.68	507.95	439.71
1987	499.70	519.52	455.03
1988	515.57	538.16	466.31
1989	523.50	542.23	478.19
1989			
August	514.46	530.02	478.40
September	526.49	545.67	484.15
October	521.10	539.30	482.69
November	526.92	545.24	484.68
December	527.39	546.12	485.62
1990			
January	511.98	524.15	485.72
February	518.72	536.36	478.67
March	529.17	548.26	483.89
April	517.09	534.18	478.06
May	542.28	564.19	493.08
June	547.82	571.14	497.12
July	532.14	550.35	491.99
August	540.59	559.82	496.78

Production Worker Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1989	42.7	43.0	41.8
1989			
August	42.1	42.3	41.6
September	42.7	43.0	42.1
October	42.4	42.7	41.9
November	42.7	43.0	42.0
December	42.6	42.9	41.9
1990			
January	42.0	42.1	41.8
February	41.9	42.2	41.3
March	42.3	42.6	41.5
April	41.5	41.7	41.0
May	42.8	43.2	42.0
June	43.0	43.4	42.2
July	42.2	42.4	41.8
August	42.6	42.8	42.1

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1979	$7.84	$8.06	$7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	11.99	12.40	11.05
1989	12.26	12.61	11.44
1989			
August	12.22	12.53	11.50
September	12.33	12.69	11.50
October	12.29	12.63	11.52
November	12.34	12.68	11.54
December	12.38	12.73	11.59
1990			
January	12.19	12.45	11.62
February	12.38	12.71	11.59
March	12.51	12.87	11.66
April	12.46	12.81	11.66
May	12.67	13.06	11.74
June	12.74	13.16	11.78
July	12.61	12.98	11.77
August	12.69	13.08	11.80

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

Not Seasonally Adjusted

Employment

(thousands)

	Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products	Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
1979	67.0	158.9	175.3	232.1	106.8	165.3	74.4	67.6	109.3
1980	62.0	139.8	157.5	219.2	96.5	138.6	72.7	67.4	95.1
1981	58.6	138.3	154.8	211.8	92.3	136.4	69.2	66.1	91.4
1982	52.1	112.7	134.9	183.4	84.7	121.1	66.9	63.2	82.4
1983	50.2	104.1	129.8	160.1	81.7	131.6	63.4	62.8	84.5
1984	50.5	108.9	138.8	173.1	85.4	144.4	62.8	65.1	92.7
1985	48.5	101.8	139.7	171.7	83.2	150.6	62.9	66.8	93.3
1986	47.5	95.4	136.8	163.9	82.0	153.2	63.0	68.4	94.5
1987	46.5	95.8	132.9	160.3	79.9	148.8	63.1	70.5	93.6
1988	46.0	100.8	135.2	163.9	80.0	142.8	62.5	72.5	93.4
1989	45.7	102.2	136.3	167.6	79.5	141.8	63.2	73.9	96.4
1989									
August	46.5	102.4	135.0	168.0	79.3	142.4	64.4	74.2	96.8
September	46.3	102.8	137.1	167.9	80.2	139.8	66.7	74.6	97.4
October	45.9	100.3	135.3	163.6	79.4	136.4	64.9	74.8	97.6
November	45.9	100.8	136.2	167.1	79.6	139.0	63.8	75.0	97.6
December	45.3	100.6	136.0	168.0	79.0	140.8	63.4	75.0	96.7
1990									
January	44.2	98.8	130.5	167.6	78.4	120.6	63.3	74.6	94.7
February	44.3	100.7	134.2	167.2	78.5	142.1	62.5	74.8	94.9
March	45.0	100.9	134.1	167.0	78.3	141.6	62.2	74.7	95.5
April	45.6	100.8	134.9	166.6	78.3	142.4	62.5	74.8	96.2
May	45.7	101.2	135.3	167.0	77.8	142.1	62.6	75.4	96.7
June	46.6	101.7	136.8	167.3	77.7	143.3	63.7	75.9	97.7
July	46.3	99.4	135.4	166.9	77.4	137.3	63.8	76.3	95.8
August	46.3	100.3	135.2	165.4	77.2	141.7	64.6	76.4	97.1

Average Weekly Earnings of Production Workers

	Stone, Clay, and Glass Products	Primary Metal Industries	Fabricated Metal Products	Industrial Machinery and Equipment	Electronic and Other Electric Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Miscellaneous Plastics Products
1979	$293.34	$395.43	$323.38	$329.09	$289.27	$391.56	$304.50	$302.62	$300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1983	400.57	503.85	460.65	424.09	394.63	557.92	403.79	375.62	412.25
1984	419.15	537.21	475.30	467.61	420.65	603.46	419.19	386.30	419.99
1985	434.30	548.83	492.15	475.58	433.30	635.26	413.25	395.14	429.17
1986	443.81	559.93	494.91	485.18	459.80	632.06	416.83	410.70	438.96
1987	449.82	602.53	500.12	502.36	463.01	638.13	440.34	429.00	441.34
1988	470.37	626.44	513.17	526.24	466.07	673.91	446.04	445.22	446.95
1989	478.67	619.61	508.09	534.10	459.95	704.48	458.39	457.81	446.05
1989									
August	480.22	613.02	490.28	515.95	457.73	682.78	460.42	448.14	444.56
September	476.43	628.97	523.13	528.04	458.97	720.50	458.05	468.00	451.78
October	490.05	610.42	507.78	528.90	460.37	711.67	457.03	467.63	440.15
November	488.91	616.07	512.68	534.69	462.31	720.72	467.58	478.67	440.35
December	471.10	618.02	502.80	538.46	462.44	717.05	473.18	482.26	433.54
1990									
January	473.59	605.12	489.82	520.15	459.26	670.64	476.57	470.00	442.21
February	476.86	601.51	505.44	532.16	464.80	683.12	454.40	471.22	442.90
March	484.79	618.62	512.36	535.62	457.97	718.39	458.27	472.42	446.13
April	494.79	636.41	493.61	509.60	437.80	691.32	445.61	458.25	434.42
May	495.79	657.34	531.48	547.67	456.65	742.29	469.83	465.71	460.82
June	498.10	672.04	533.68	548.97	458.59	758.62	476.40	467.68	467.99
July	493.06	644.36	506.75	539.71	456.84	722.67	475.57	469.66	458.55
August	497.81	651.73	524.16	550.31	470.18	716.13	489.34	472.03	459.38

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	4941.1	4934.0	4830.3	7.1	110.8
Goods-Producing Industries	1362.2	1353.1	1358.7	9.1	3.5
Mining	18.4	18.5	18.5	.0	.0
Coal Mining	7.5	7.5	7.7	.0	-.2
Oil and Gas Extraction	5.7	5.7	5.7	.0	.0
Construction	220.0	216.6	212.3	3.4	7.7
General Building Contractors	50.9	50.4	49.8	.5	1.1
Nonresidential Building Construction	24.9	24.7	25.2	.2	-.3
Heavy Construction, Except Building	27.4	26.8	27.8	.6	-.4
Highway and Street Construction	10.1	9.8	10.5	.3	-.4
Special Trade Contractors	141.7	139.4	134.7	2.3	7.0
Manufacturing	1123.8	1118.1	1128.0	5.7	-4.2
Durable Goods[f]	746.8	743.4	754.9	3.4	-8.1
Lumber and Wood Products	23.6	23.9	23.1	-.2	.5
Millwork, Plywood and Structural Members	10.6	10.8	10.4	-.2	.2
Furniture and Fixtures	15.4	15.3	15.5	.1	-.1
Stone, Clay, and Glass Products	46.3	46.3	46.5	.1	-.2
Primary Metal Industries	100.3	99.4	102.4	.9	-2.1
Blast Furnace and Basic Steel Products	46.9	46.7	47.5	.2	-.6
Iron and Steel Foundries	19.5	19.2	20.3	.3	-.8
Nonferrous Rolling and Drawing	16.2	15.9	16.5	.3	-.3
Nonferrous Foundries	10.6	10.5	10.8	.1	-.2
Fabricated Metal Products	135.2	135.4	135.0	-.2	.2
Fabricated Structural Metal Products	30.5	30.1	30.5	.4	.0
Metal Forgings and Stampings	38.6	38.9	38.1	-.3	.5
Industrial Machinery and Equipment	165.4	166.9	168.0	-1.5	-2.6
Construction and Related Machinery	14.2	14.4	14.2	-.2	.0
Metalworking Machinery	47.2	47.5	48.4	-.2	-1.1
Special Industry Machinery	16.9	17.1	17.2	-.3	-.4
General Industrial Machinery	26.2	26.1	26.1	.1	.0
Computer and Office Equipment	11.3	11.5	11.2	-.2	.1
Refrigeration and Service Machinery	14.7	15.5	16.3	-.7	-1.6
Electronic and Other Electric Equipment	77.2	77.4	79.3	-.2	-2.1
Electrical Industrial Apparatus	12.0	11.9	12.4	.1	-.4
Household Appliances	15.4	15.5	15.7	.0	-.3
Electric Lighting and Wiring Equipment	16.2	16.3	16.3	-.1	-.1
Electronic Components and Accessories	11.4	11.4	11.3	.0	.1
Transportation Equipment	141.7	137.3	142.4	4.4	-.7
Motor Vehicles and Equipment	95.9	91.5	97.0	4.4	-1.1
Aircraft and Parts	36.9	36.9	36.4	-.1	.4
Instruments and Related Products	26.0	25.9	26.8	.0	-.8
Measuring and Controlling Devices	15.9	15.9	16.4	.0	-.6
Nondurable Goods[g]	377.0	374.6	373.1	2.4	3.9
Food and Kindred Products	64.6	63.8	64.4	.8	.2
Dairy Products	10.8	10.8	10.4	.0	.4
Preserved Fruits and Vegetables	11.0	10.5	11.2	.6	-.2
Bakery Products	9.8	9.6	10.0	.2	-.2
Apparel and Other Textile Products	15.1	15.0	15.3	.1	-.2
Paper and Allied Products	38.0	37.8	37.8	.2	.3
Paperboard Containers and Boxes	14.0	13.8	13.7	.2	.3
Miscellaneous Converted Paper Products	12.2	12.4	12.1	-.1	.1
Printing and Publishing	76.4	76.3	74.2	.1	2.2
Newspapers	19.4	19.4	18.7	.0	.7
Commercial Printing	28.0	27.9	27.4	.1	.6
Chemicals and Allied Products	67.3	67.4	66.1	.0	1.2
Plastics Materials and Synthetics	10.0	10.1	9.9	.0	.1
Rubber and Miscellaneous Plastics Products	97.1	95.8	96.8	1.3	.3
Tires and Inner Tubes	16.0	16.0	15.6	-.1	.3
Miscellaneous Plastics Products	58.9	57.7	58.4	1.1	.5
Service-Producing Industries	3578.9	3580.9	3471.5	-2.0	107.3
Transportation and Public Utilities	221.2	220.9	218.5	.3	2.7
Transportation	131.2	130.6	127.0	.6	4.2
Railroad Transportation	12.3	12.3	13.0	.0	-.7
Trucking and Warehousing	78.6	78.3	76.5	.3	2.1
Transportation by Air	14.4	14.1	13.3	.2	1.0
Communications, Electric, Gas Services	90.0	90.3	91.5	-.3	-1.5
Communications	46.5	46.5	47.6	-.1	-1.2
Electric, Gas, and Sanitary Services	43.5	43.8	43.9	-.2	-.3

See footnotes on page 13.

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Wholesale Trade	274.8	275.0	265.7	-.2	9.0
Wholesale Trade-Durable Goods	173.7	174.0	168.3	-.3	5.4
Motor Vehicles, Parts, and Supplies	23.1	23.1	22.9	.0	.1
Professional and Commercial Equipment	33.3	33.3	32.3	.0	1.0
Metals and Minerals, Except Petroleum	11.6	11.6	11.2	.0	.4
Electrical Goods	19.0	19.0	18.5	-.1	.5
Hardware, Plumbing and Heating Equipment	13.1	13.2	12.7	.0	.5
Machinery, Equipment, and Supplies	43.5	43.6	41.9	-.1	1.6
Wholesale Trade-Nondurable Goods	101.1	101.0	97.4	.1	3.6
Groceries and Related Products	33.5	33.4	31.9	.1	1.6
Retail Trade	948.6	943.7	915.4	4.9	33.2
Building Materials and Garden Supplies	37.2	37.7	35.7	-.5	1.5
Lumber and Other Building Materials	19.0	19.0	18.4	-.1	.6
General Merchandise Stores	125.9	125.2	123.6	.7	2.2
Department Stores	102.6	101.9	100.4	.7	2.2
Variety Stores	13.8	13.7	13.4	.1	.4
Food Stores	144.7	145.0	140.8	-.3	3.9
Grocery Stores	127.6	128.0	124.3	-.4	3.3
Automotive Dealers and Service Stations	104.4	104.0	100.8	.4	3.6
New and Used Car Dealers	45.7	45.6	44.3	.1	1.4
Gasoline Service Stations	36.6	36.4	34.5	.2	2.2
Apparel and Accessory Stores	52.9	51.5	48.7	1.4	4.2
Furniture and Homefurnishings Stores	33.7	33.4	31.6	.2	2.1
Eating and Drinking Places	327.0	325.1	319.6	2.0	7.5
Miscellaneous Retail	122.9	121.9	114.6	1.0	8.3
Drug Stores and Proprietary Stores	32.6	32.6	30.9	.0	1.7
Nonstore Retailers	23.5	23.2	21.4	.3	2.1
Finance, Insurance, and Real Estate	260.7	260.4	256.1	.3	4.6
Finance	122.1	121.9	121.1	.2	1.0
Depository Institutions	91.9	91.8	91.8	.1	.0
Commercial Banks	65.1	65.0	64.4	.1	.8
Insurance	93.1	93.1	91.3	.0	1.8
Insurance Carriers	71.0	71.0	70.0	.0	1.0
Life Insurance	25.8	25.8	25.8	.0	.0
Fire, Marine, and Casualty Insurance	32.3	32.2	30.8	.1	1.5
Real Estate	45.5	45.4	43.8	.1	1.8
Services	1202.5	1199.6	1160.0	2.9	42.5
Hotels and Other Lodging Places	41.4	41.2	40.7	.2	.7
Personal Services	54.0	54.1	52.7	-.1	1.3
Business Services	222.4	220.2	208.3	2.2	14.1
Services to Buildings	34.1	33.7	32.6	-.3	1.5
Personnel Supply Services	78.5	76.9	73.1	1.6	5.5
Computer and Data Processing Services	28.1	28.1	25.9	.0	2.3
Amusements, Including Motion Pictures	70.9	71.2	73.7	-.3	-2.8
Health Services	401.0	399.5	388.5	1.5	12.5
Nursing and Personal Care Facilities	87.1	86.7	84.1	.4	3.1
Hospitals	193.4	193.0	189.0	.4	4.4
Legal Services	30.8	30.9	29.0	-.1	1.8
Educational Services	48.5	49.5	47.2	-.9	1.4
Colleges and Universities	24.4	25.0	23.7	-.6	.7
Social Services	75.3	75.1	72.2	.2	3.1
Residential Care	23.7	23.6	22.4	.1	1.3
Membership Organizations	82.1	81.8	79.4	.3	2.7
Engineering and Management Services	89.3	88.9	86.2	.5	3.2
Engineering and Architectural Services	27.5	27.4	26.7	.1	.8
Accounting, Auditing, and Bookkeeping	21.5	21.5	20.9	.0	.7
Research and Testing Services	19.8	19.6	19.2	.1	.6
Management and Public Relations	20.5	20.3	19.4	.2	1.1
Government	671.1	681.2	655.8	-10.2	15.3
Federal Government	99.8	99.6	98.1	.3	1.7
U.S. Postal Service	33.8	34.0	34.5	-.2	-.7
State Government	141.9	144.3	138.7	-2.4	3.3
State Government Hospitals	15.9	15.9	15.9	.0	.0
State Government Education[h]	62.9	64.7	61.1	-1.8	1.9
Local Government	429.3	437.4	419.0	-8.1	10.3
Local Government Hospitals	15.1	15.1	14.8	.1	.3
Local Government Education	229.2	233.4	223.9	-4.2	5.3

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Ohio

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Goods-Producing Industries	$558.31	$548.77	$512.41	42.2	41.7	40.7	$13.23	$13.16	$12.59
Mining	627.25	606.63	595.41	44.9	43.8	44.6	13.97	13.85	13.35
Coal Mining	735.70	707.65	724.11	43.2	41.7	43.7	17.03	16.97	16.57
Construction	635.99	616.10	626.05	40.1	38.7	40.6	15.86	15.92	15.42
General Building Contractors	554.53	544.31	550.34	40.3	39.5	40.2	13.76	13.78	13.69
Heavy Construction, Except Building	696.68	620.46	694.10	42.3	38.3	43.3	16.47	16.20	16.03
Special Trade Contractors	645.83	637.29	635.60	39.5	38.6	40.0	16.35	16.51	15.89
Manufacturing	540.59	532.14	514.46	42.6	42.2	42.1	12.69	12.61	12.22
Durable Goods[f]	559.82	550.35	530.02	42.8	42.4	42.3	13.08	12.98	12.53
Lumber and Wood Products	319.84	311.54	332.51	39.1	38.7	40.5	8.18	8.05	8.21
Millwork, Plywood and Structural Members	371.28	359.68	363.80	42.0	41.2	42.6	8.84	8.73	8.54
Furniture and Fixtures	404.89	388.03	379.35	42.8	41.5	41.1	9.46	9.35	9.23
Stone, Clay, and Glass Products	497.81	493.06	480.22	43.1	42.8	42.8	11.55	11.52	11.22
Primary Metal Industries	651.73	644.36	613.02	44.7	44.5	43.6	14.58	14.48	14.06
Blast Furnace and Basic Steel Products	674.98	666.08	635.71	46.2	46.0	44.3	14.61	14.48	14.35
Iron and Steel Foundries	683.32	659.37	618.30	44.0	42.9	42.7	15.53	15.37	14.48
Nonferrous Rolling and Drawing	681.86	689.67	658.03	41.3	41.9	41.7	16.51	16.46	15.78
Nonferrous Foundries	468.60	476.28	453.71	44.0	44.1	43.5	10.65	10.80	10.43
Fabricated Metal Products	524.16	506.75	490.28	42.0	41.3	41.2	12.48	12.27	11.90
Fabricated Structural Metal Products	473.34	469.56	451.68	42.0	42.0	41.9	11.27	11.18	10.78
Metal Forgings and Stampings	664.25	622.82	593.07	43.5	41.8	41.1	15.27	14.90	14.43
Industrial Machinery and Equipment	550.31	539.71	515.95	43.4	42.8	42.5	12.68	12.61	12.14
Construction and Related Machinery	438.26	443.00	433.36	39.2	39.1	40.2	11.18	11.33	10.78
Metalworking Machinery	535.02	516.34	514.17	44.4	43.1	43.5	12.05	11.98	11.82
Special Industry Machinery	521.46	501.38	503.73	43.6	43.0	43.5	11.96	11.66	11.58
General Industrial Machinery	632.70	630.78	570.14	45.0	44.8	42.9	14.06	14.08	13.29
Computer and Office Equipment	477.77	477.36	496.60	41.8	41.8	44.3	11.43	11.42	11.21
Refrigeration and Service Machinery	589.17	598.33	546.32	41.0	41.9	40.2	14.37	14.28	13.59
Electronic and Other Electric Equipment	470.18	456.84	457.73	41.1	40.5	41.2	11.44	11.28	11.11
Electrical Industrial Apparatus	455.28	468.27	432.37	42.0	43.0	42.1	10.84	10.89	10.27
Household Appliances	488.02	472.33	490.03	40.1	39.1	40.7	12.17	12.08	12.04
Electric Lighting and Wiring Equipment	510.84	471.62	464.44	40.9	39.4	39.9	12.49	11.97	11.64
Electronic Components and Accessories	338.66	338.99	335.38	41.2	40.5	40.8	8.22	8.37	8.22
Transportation Equipment	716.13	722.67	682.78	43.8	44.2	43.6	16.35	16.35	15.66
Motor Vehicles and Equipment	741.32	750.27	705.03	44.1	44.5	43.9	16.81	16.86	16.06
Aircraft and Parts	669.48	670.70	642.32	43.9	44.3	43.4	15.25	15.14	14.80
Instruments and Related Products	398.16	394.76	394.00	40.3	40.2	41.3	9.88	9.82	9.54
Measuring and Controlling Devices	375.94	386.91	391.68	38.4	39.4	40.8	9.79	9.82	9.60
Nondurable Goods[g]	496.78	491.99	478.40	42.1	41.8	41.6	11.80	11.77	11.50
Food and Kindred Products	489.34	475.57	468.42	42.7	41.9	42.2	11.46	11.35	11.10
Dairy Products	485.20	487.56	463.86	42.9	43.3	42.4	11.31	11.26	10.94
Preserved Fruits and Vegetables	534.38	472.42	506.04	43.2	39.5	43.4	12.37	11.96	11.66
Bakery Products	500.58	505.47	471.86	40.5	40.6	38.9	12.36	12.45	12.13
Apparel and Other Textile Products	311.65	305.37	288.10	39.7	39.1	36.7	7.85	7.81	7.85
Paper and Allied Products	522.14	524.94	496.50	44.4	44.6	43.4	11.76	11.77	11.44
Paperboard Containers and Boxes	464.98	470.98	431.34	44.2	44.6	42.0	10.52	10.56	10.27
Miscellaneous Converted Paper Products	491.27	483.99	442.30	44.1	43.8	42.9	11.14	11.05	10.31
Printing and Publishing	472.03	469.66	448.14	39.8	39.6	38.8	11.86	11.86	11.55
Newspapers	376.42	373.56	382.84	33.4	33.0	34.0	11.27	11.32	11.26
Commercial Printing	475.94	471.71	440.59	41.1	40.7	39.8	11.58	11.59	11.07
Chemicals and Allied Products	613.56	604.76	589.69	43.3	42.8	42.7	14.17	14.13	13.81
Plastics Materials and Synthetics	674.06	663.81	684.99	43.6	43.5	44.8	15.46	15.26	15.29
Rubber and Miscellaneous Plastics Products	459.38	458.55	444.56	41.8	41.8	41.9	10.99	10.97	10.61
Tires and Inner Tubes	718.10	724.50	724.16	44.3	45.0	46.6	16.21	16.10	15.54
Miscellaneous Plastics Products	444.22	442.15	423.12	41.4	41.4	41.2	10.73	10.68	10.27
Service-Producing Industries	......	......	......	....	....	....	.....	.....	.....
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric. Gas Services	620.26	629.16	601.95	41.6	42.0	41.6	14.91	14.98	14.47
Communications	570.73	578.71	587.88	39.8	40.3	41.4	14.34	14.36	14.20
Electric, Gas, and Sanitary Services	676.24	687.72	618.44	43.6	44.0	41.9	15.51	15.63	14.76
Wholesale Trade	420.90	417.20	407.29	39.3	39.1	39.2	10.71	10.67	10.39
Wholesale Trade-Durable Goods	416.46	413.17	395.69	39.4	39.2	39.1	10.57	10.54	10.12
Motor Vehicles, Parts, and Supplies	348.55	359.28	339.80	37.6	38.1	37.3	9.27	9.43	9.11
Metals and Minerals, Except Petroleum	479.97	466.07	458.34	42.4	41.1	42.4	11.32	11.34	10.81
Wholesale Trade-Nondurable Goods	426.66	424.32	427.10	39.0	39.0	39.4	10.94	10.88	10.84

See footnotes on page 13.

Hours and Earnings of Production or Nonsupervisory Workers[a]

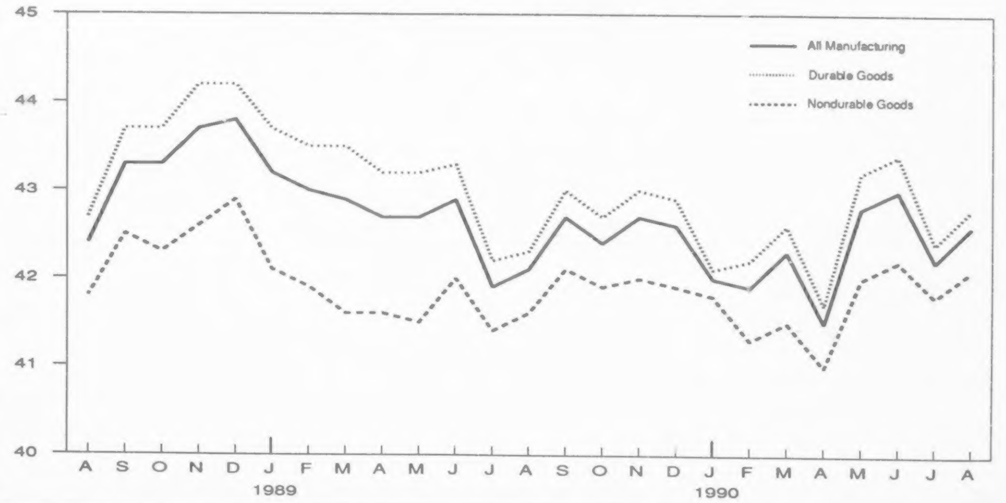
Not Seasonally Adjusted

Ohio (continued)

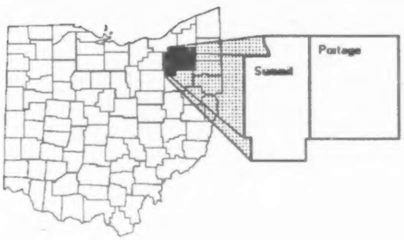
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Retail Trade[j]	$179.63	$180.62	$176.61	28.2	28.4	29.0	$6.37	$6.36	$6.09
General Merchandise Stores	196.52	195.55	185.02	28.9	28.8	29.0	6.80	6.79	6.38
Department Stores	200.39	200.79	190.09	29.0	29.1	29.2	6.91	6.90	6.51
Finance, Insurance, and Real Estate	351.83	350.02	339.45	....	....	....	.....	.....	.....
Finance	324.59	324.11	316.83	....	....	....	.....	.....	.....
Depository Institutions	277.15	276.85	271.04	....	....	....	.....	.....	.....
Commercial Banks	272.54	271.75	268.54	....	....	....	.....	.....	.....
Insurance	419.25	418.39	402.94	....	....	....	.....	.....	.....
Insurance Carriers	405.89	406.24	390.72	....	....	....	.....	.....	.....
Life Insurance	376.86	379.74	365.36	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	437.20	435.73	417.87	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Business Services	246.51	244.78	215.68	33.0	32.9	32.0	7.47	7.44	6.74
Health Services	317.68	318.36	300.51	31.8	31.9	31.8	9.99	9.98	9.45
Nursing and Personal Care Facilities	212.80	216.03	196.25	32.0	32.1	31.5	6.65	6.73	6.23
Hospitals	373.43	375.40	356.10	32.5	32.7	32.7	11.49	11.48	10.89
Engineering and Management Services	484.70	484.98	457.35	35.2	35.4	34.7	13.77	13.70	13.18
Engineering and Architectural Services	676.66	667.65	622.76	33.3	32.6	31.5	20.32	20.48	19.77
Research and Testing Services	393.13	397.46	355.66	36.1	36.7	34.8	10.89	10.83	10.22

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [f] Includes miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries



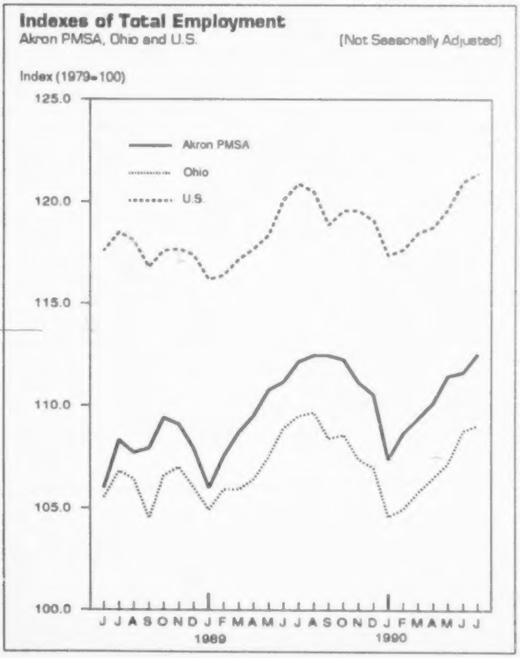
Akron
Primary Metropolitan Statistical Area

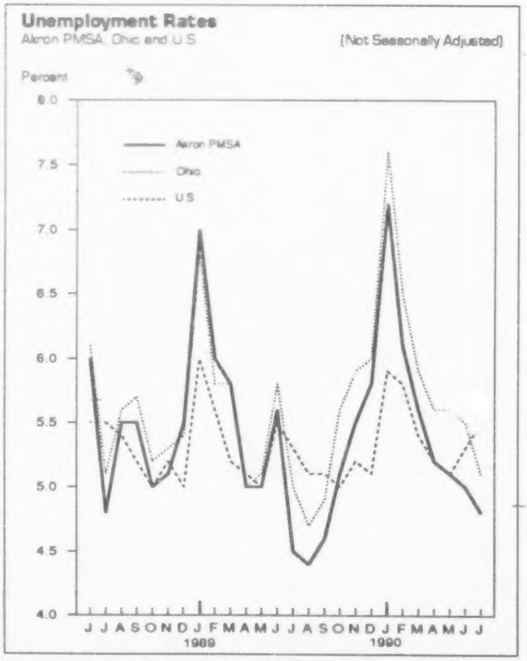


Nonfarm payroll employment in the Akron metropolitan area increased 500 above the July level to 290,600 in August 1990. Employment in goods-producing industries rose 600 to 80,000. Improvements were posted in manufacturing, especially fabricated metal products and food and kindred products, and in construction. The number of jobs in service-producing industries declined 100 over the month. Modest reductions in state and local government and less business in services outweighed gains in retail trade. Manufacturing production workers averaged $12.17 per hour, up 20 cents from July. Their average workweek of 43.3 hours was 0.7 hours longer.

Nonagricultural wage and salary employment advanced 9,000 between August 1989 and August 1990. Expansion in the service-producing sector contributed 95.6 percent of the gain. Leading growth industries were services (+4,700) and retail trade (+2,100). The workforce in goods-producing industries increased 400 over the year as growth in construction overshadowed declines in manufacturing. Lowered production in industrial machinery and equipment and in transportation equipment negated a gain in rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Akron area rose 2,000 from July to 293,000 in August 1990 primarily due to an increase in manufacturing. Since August 1989, total payroll employment advanced 9,000. Most of the growth occurred in services (+4,000) and retail trade (+2,000). Modest gains were also posted in transportation and public utilities and in government.


Indexes of Total Employment
Akron PMSA, Ohio and U.S.
(Not Seasonally Adjusted)


Unemployment Rates
Akron PMSA, Ohio and U.S.
(Not Seasonally Adjusted)

Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	$321.57	41.6	$7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
324.9	305.2	19.7	6.1	1988	272.7	66.2	37.7	502.28	43.3	11.60
333.0	315.1	17.8	5.4	1989	282.2	67.7	39.5	495.75	42.7	11.61
				1989						
336.0	321.1	14.9	4.4	August	281.6	68.0	39.7	491.18	42.6	11.53
336.5	321.1	15.4	4.6	September	289.1	68.1	39.7	511.49	43.2	11.84
337.8	320.6	17.2	5.1	October	288.5	67.9	39.4	497.78	42.4	11.74
335.9	317.3	18.6	5.5	November	289.1	67.8	39.1	502.79	42.9	11.72
335.3	315.7	19.5	5.8	December	289.4	67.7	38.9	504.70	43.1	11.71
				1990						
330.0	306.4	23.6	7.2	January	277.2	67.1	38.1	497.64	42.9	11.60
330.3	310.1	20.2	6.1	February	282.7	67.3	38.4	496.40	42.5	11.68
330.6	312.2	18.4	5.6	March	285.4	67.6	38.6	500.02	42.7	11.71
331.9	314.5	17.4	5.2	April	289.2	67.5	38.6	479.49	41.3	11.61
335.2	318.2	17.0	5.1	May	293.6	67.4	38.4	516.00	43.0	12.00
335.3	318.7	16.6	5.0	June	291.1	68.0	[illegible]	524.36	43.3	12.11
337.6	321.5	16.2	4.8	July	290.1	67.6	[illegible]	509.92	42.6	11.97
INA	INA	INA	INA	August	290.6	67.9	[illegible]	526.96	43.3	12.17

INA – Information not available

Akron PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
271	95	9	86	1979	176	15	12	46	9	50	43
262	88	8	79	1980	175	14	12	45	9	50	44
260	84	8	76	1981	175	14	13	45	9	52	42
249	76	7	68	1982	173	13	12	45	9	52	41
245	73	7	65	1983	172	13	12	45	9	52	41
252	76	8	68	1984	176	13	13	47	9	53	41
258	77	8	68	1985	180	13	13	49	10	54	42
261	76	9	67	1986	184	13	14	50	10	56	42
265	76	9	66	1987	189	13	14	52	11	58	42
273	76	10	66	1988	196	13	15	53	11	62	43
282	78	10	68	1989	204	13	15	55	10	66	44
				1989							
284	78	10	68	August	205	13	16	55	11	67	44
284	78	10	68	September	206	13	16	55	11	67	44
284	78	10	68	October	206	13	16	56	11	67	44
285	78	10	68	November	207	13	16	56	11	68	44
286	78	10	68	December	208	13	16	56	11	68	44
				1990							
285	78	10	68	January	206	13	16	56	11	67	43
288	79	10	68	February	209	13	16	57	11	68	45
288	79	10	68	March	210	13	16	57	11	69	45
289	79	11	68	April	210	13	16	57	11	69	45
290	78	10	67	May	212	13	16	57	11	70	45
291	79	10	68	June	213	14	16	57	11	71	45
291	78	10	67	July	213	14	16	57	11	71	45
293	79	10	68	August	214	14	16	57	11	71	45

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	290.6	290.1	281.6	.5	9.0
Goods-Producing Industries[e]	80.0	79.5	79.6	.5	.4
Construction	11.4	11.2	11.0	.2	.5
Manufacturing	67.9	67.6	68.0	.3	-.1
Durable Goods[f]	34.3	34.1	34.7	.2	-.3
Fabricated Metal Products	11.0	10.7	11.0	.3	.0
Fabricated Structural Metal Products	4.9	4.9	4.8	.0	.0
Industrial Machinery and Equipment	10.0	10.0	10.3	.0	-.3
Metalworking Machinery	3.9	3.8	3.9	.0	.0
Electronic and Other Electric Equipment	2.5	2.5	2.5	.0	.0
Transportation Equipment	4.8	4.8	5.0	.0	-.2
Nondurable Goods[g]	33.6	33.5	33.4	.1	.2
Food and Kindred Products	3.1	3.0	3.1	.1	.0
Chemicals and Allied Products	3.7	3.7	3.8	.0	-.1
Rubber and Miscellaneous Plastics Products	20.7	20.7	20.3	.0	.4
Tires and Inner Tubes	11.5	11.5	11.2	.0	.2
Service-Producing Industries	210.5	210.7	201.9	-.1	8.6
Transportation and Public Utilities	13.7	13.6	13.2	.1	.4
Communications, Electric, Gas Services	4.7	4.7	4.8	.0	.0
Wholesale Trade	16.0	16.1	15.5	.0	.6
Retail Trade	57.5	57.1	55.3	.4	2.1
General Merchandise Stores	7.4	7.5	7.3	-.1	.2
Food Stores	9.2	9.1	9.2	.1	.0
Finance, Insurance, and Real Estate	10.8	10.8	10.7	.0	.2
Finance	5.4	5.4	5.4	.0	.0
Services	73.8	74.0	69.1	-.2	4.7
Business Services	12.3	12.5	11.7	-.2	.7
Personnel Supply Services	3.4	3.4	3.4	.0	.0
Amusements, Including Motion Pictures	9.7	9.9	7.9	-.1	1.8
Health Services	22.5	22.4	21.6	.1	.8
Nursing and Personal Care Facilities	4.0	4.0	3.8	.0	.2
Hospitals	11.0	11.1	10.8	.0	.3
Social Services	4.8	4.7	4.6	.0	.1
Engineering and Management Services	5.4	5.4	5.0	.1	.4
Government	38.7	39.1	38.0	-.4	.6
Federal Government	2.7	2.7	2.4	.0	.2
State Government	11.3	11.5	11.0	-.2	.3
State Government Education[h]	8.3	8.6	8.0	-.2	.3
Local Government	24.7	24.9	24.6	-.2	.1
Local Government Education	12.1	12.2	12.1	.0	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

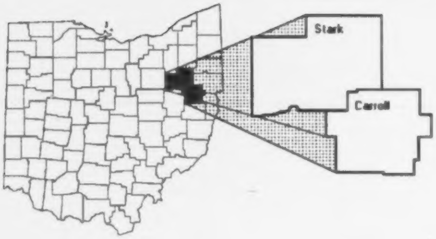
Not Seasonally Adjusted

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$526.96	$509.92	$491.18	43.3	42.6	42.6	$12.17	$11.97	$11.53
Durable Goods[f]	541.88	515.74	500.33	43.7	42.8	42.8	12.40	12.05	11.69
Fabricated Metal Products	682.38	624.94	595.98	44.6	42.6	43.0	15.30	14.67	13.86
Fabricated Structural Metal Products	491.07	488.80	476.06	41.9	41.6	43.2	11.72	11.75	11.02
Industrial Machinery and Equipment	499.95	480.48	471.59	45.0	44.0	44.7	11.11	10.92	10.55
Metalworking Machinery	548.26	524.77	515.13	46.9	45.2	46.2	11.69	11.61	11.15
Electronic and Other Electric Equipment	442.85	440.77	392.50	42.5	42.3	38.9	10.42	10.42	10.09
Transportation Equipment	608.95	616.59	612.16	42.2	42.7	42.6	14.43	14.44	14.37
Nondurable Goods[g]	506.00	502.02	478.84	42.7	42.4	42.3	11.85	11.84	11.32
Food and Kindred Products	402.98	388.48	392.64	40.5	39.6	41.2	9.95	9.81	9.53
Chemicals and Allied Products	561.83	542.63	529.70	44.1	43.1	43.1	12.74	12.59	12.29
Rubber and Miscellaneous Plastics Products	523.91	525.67	494.42	44.1	44.1	43.6	11.88	11.92	11.34
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	584.59	587.89	614.67	40.4	40.6	41.9	14.47	14.48	14.67
Wholesale Trade	368.00	357.92	360.61	36.8	36.3	37.1	10.00	9.86	9.72
Retail Trade[i]	220.94	223.17	215.46	30.9	31.3	32.4	7.15	7.13	6.65
General Merchandise Stores	203.70	195.88	206.[illegible]0	30.0	29.5	31.4	6.79	6.64	6.57
Food Stores	313.60	321.41	33[illegible]	37.2	38.4	39.2	8.43	8.37	8.49
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	283.37	284.90	273.04	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

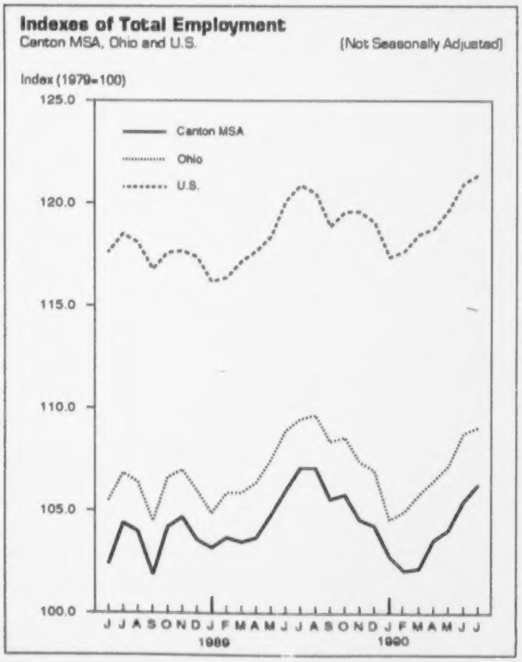
Canton
Metropolitan Statistical Area

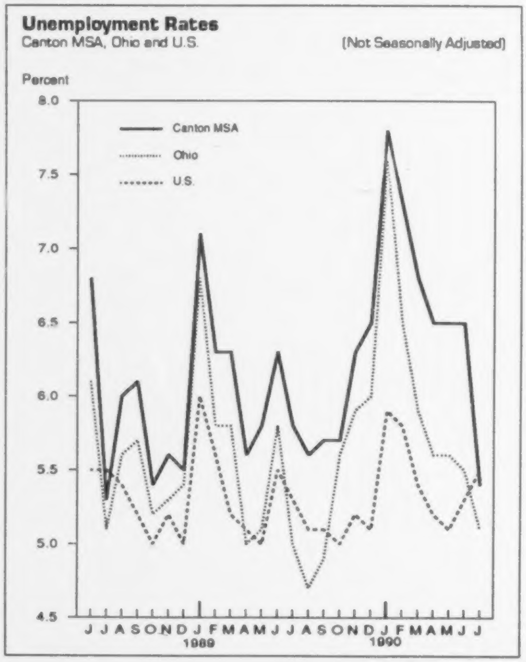


In the Canton metropolitan area, nonagricultural payroll employment totaled 168,700 in August 1990, up 600 from the July level. More business in retail trade and services helped raise employment in service-producing industries 700. The number of employees in goods-producing industries decreased 100 over the month to 54,300. Scattered declines in manufacturing negated nominal gains in construction. Factory production worker average hourly earnings were fractionally higher than July at $11.50. Their average workweek of 42.5 hours was 0.2 hours longer.

Nonfarm wage and salary employment advanced 3,800 between August 1989 and August 1990. The improvement was concentrated in the service-producing sector. Primary areas of expansion were services, retail trade, and local government. The workforce in goods-producing industries declined 100 over the year. Reductions in manufacturing, especially fabricated metal products, electronic and other electric equipment, and rubber and miscellaneous plastics products, outweighed modest growth in construction employment.

Seasonally adjusted employment in the Canton area increased 1,000 from the July level to 168,000 in August 1990 due to scattered gains in service-producing industries. Since August 1989, total payroll employment advanced 4,000. Noteworthy expansion occurred in services, wholesale trade, retail trade, and government. Manufacturing employment declined during the period.


Indexes of Total Employment
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Canton MSA, Ohio and U.S. (Not Seasonally Adjusted)

Canton MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	$330.88	40.9	$8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	160.1	45.3	32.4	462.21*	42.6*	10.85*
194.1	182.3	11.8	6.1	1989	164.1	45.6	32.5	466.91	41.8	11.17
				1989						
197.0	186.1	10.9	5.6	August	164.9	45.9	33.1	464.21	41.3	11.24
194.5	183.5	11.0	5.7	September	166.3	46.0	33.3	466.99	41.4	11.28
194.9	183.8	11.1	5.7	October	161.8	40.6	28.1	456.08	41.2	11.07
193.8	181.7	12.1	6.3	November	166.5	45.7	31.8	462.26	41.2	11.22
193.9	181.2	12.7	6.5	December	167.2	45.6	31.8	467.87	41.7	11.22
				1990						
193.6	178.5	15.1	7.8	January	163.1	45.5	31.8	475.45	42.3	11.24
191.3	177.3	14.0	7.3	February	162.7	45.4	31.8	473.91	42.2	11.23
190.3	177.5	12.9	6.8	March	163.3	44.8	31.2	472.36	42.1	11.22
192.6	180.0	12.6	6.5	April	165.5	44.1	30.3	474.31	41.9	11.32
193.4	180.8	12.6	6.5	May	167.8	44.8	31.0	479.94	42.1	11.40
196.1	183.3	12.8	6.5	June	169.1	45.4	31.7	487.60	42.4	11.50
195.2	184.6	10.6	5.4	July	168.1	45.5	31.7	485.18	42.3	11.47
INA	INA	INA	INA	August	168.7	45.2	31.7	488.75	42.5	11.50

INA – Information not available

*Not comparable to previous estimates due to change in estimating methodology.

Canton MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
161	67	6	59	1979	94	8	7	27	6	28	18
157	62	5	56	1980	95	7	7	26	6	29	19
157	61	5	55	1981	95	7	8	26	6	30	19
149	54	5	48	1982	95	6	8	26	6	30	18
143	49	4	44	1983	94	6	7	26	6	31	18
149	53	5	46	1984	97	6	8	27	6	31	18
151	53	5	46	1985	99	6	8	29	6	32	18
152	50	5	44	1986	102	6	8	30	6	33	18
156	51	6	44	1987	106	6	8	31	7	36	18
160	52	6	45	1988	108	6	8	32	7	37	19
164	53	7	46	1989	111	6	9	33	7	38	19
				1989							
164	53	7	46	August	111	6	8	33	7	38	19
165	53	7	46	September	111	6	9	33	7	38	19
160	48	7	40	October	112	6	9	33	7	38	19
165	53	7	46	November	111	6	9	33	7	38	19
166	53	7	46	December	112	6	9	33	7	39	19
				1990							
166	54	7	46	January	112	6	8	34	7	39	19
167	54	7	46	February	112	6	8	34	7	39	19
166	53	8	45	March	113	6	8	34	7	39	19
167	53	8	44	April	114	6	9	34	7	39	20
167	53	7	45	May	114	6	9	34	7	39	20
168	53	7	45	June	114	6	9	34	7	40	20
167	53	7	45	July	114	6	9	34	7	40	20
168	53	7	45	August	115	6	9	34	7	40	20

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	168.7	168.1	164.9	.6	3.8
Goods-Producing Industries[e]	54.3	54.4	54.5	-.1	-.1
Construction	8.3	8.2	7.8	.1	.5
Manufacturing	45.2	45.5	45.9	-.2	-.6
Durable Goods[f]	33.5	33.6	34.1	-.1	-.6
Primary Metal Industries	11.7	11.7	11.7	.0	.0
Fabricated Metal Products	5.7	5.7	6.4	.1	-.6
Electronic and Other Electric Equipment	3.9	3.9	4.2	.0	-.3
Nondurable Goods[g]	11.7	11.8	11.7	-.1	.0
Food and Kindred Products	3.4	3.4	3.3	.0	.1
Rubber and Miscellaneous Plastics Products	2.8	2.9	3.1	.0	-.3
Service-Producing Industries	114.3	113.7	110.4	.7	4.0
Transportation and Public Utilities	5.7	5.7	5.8	.0	-.1
Communications, Electric, Gas Services	2.7	2.7	2.7	.0	.0
Wholesale Trade	8.7	8.6	8.6	.1	.1
Retail Trade	34.1	33.8	32.9	.3	1.2
General Merchandise Stores	4.0	4.0	4.1	.0	-.1
Food Stores	5.6	5.6	5.5	.0	.1
Finance, Insurance, and Real Estate	6.9	6.9	6.9	.0	.0
Finance	4.0	4.0	4.0	.0	.0
Services	40.2	39.9	38.5	.2	1.7
Health Services	16.3	16.2	15.8	.1	.5
Nursing and Personal Care Facilities	3.9	3.9	3.8	.0	.1
Hospitals	7.6	7.6	7.4	.0	.2
Government	18.8	18.7	17.7	.1	1.0
Federal Government	1.6	1.6	1.4	.0	.1
State Government (Includes Education)	1.6	1.7	1.7	-.1	.0
Local Government	15.6	15.5	14.7	.1	.9
Local Government Education	8.6	8.8	8.2	-.1	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

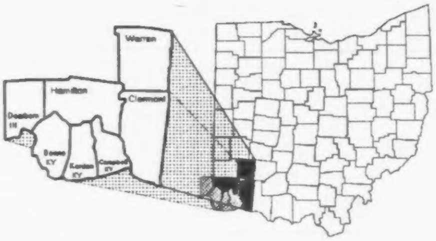
Not Seasonally Adjusted

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$488.75	$485.18	$464.21	42.5	42.3	41.3	$11.50	$11.47	$11.24
Durable Goods[f]	506.86	509.76	486.04	43.1	43.2	41.9	11.76	11.80	11.60
Primary Metal Industries	558.55	579.68	490.26	45.3	46.3	42.3	12.33	12.52	11.59
Fabricated Metal Products	460.22	463.81	476.39	40.8	40.9	40.1	11.28	11.34	11.88
Electronic and Other Electric Equipment	547.87	509.33	537.51	39.5	37.7	41.0	13.87	13.51	13.11
Nondurable Goods[g]	433.05	413.92	396.14	40.7	39.8	39.3	10.64	10.40	10.08
Food and Kindred Products	465.09	425.71	387.70	41.6	39.2	37.1	11.18	10.86	10.45
Rubber and Miscellaneous Plastics Products	383.50	384.96	397.99	39.7	40.1	41.2	9.66	9.60	9.66
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	589.59	593.81	589.37	40.3	40.7	41.1	14.63	14.59	14.34
Wholesale Trade	392.66	381.15	375.06	38.8	38.5	38.0	10.12	9.90	9.87
Retail Trade[i]	176.08	174.99	165.27	28.4	28.5	28.3	6.20	6.14	5.84
General Merchandise Stores	195.59	196.25	188.75	29.5	29.6	30.2	6.63	6.63	6.25
Food Stores	164.39	167.30	159.02	28.1	28.5	27.8	5.85	5.87	5.72
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	191.14	194.31	170.24	30.1	30.6	29.1	6.35	6.35	5.85

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

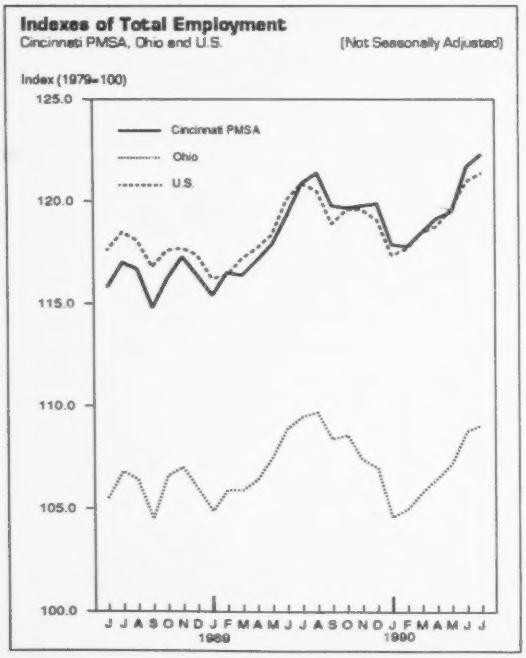
Cincinnati
Primary Metropolitan Statistical Area

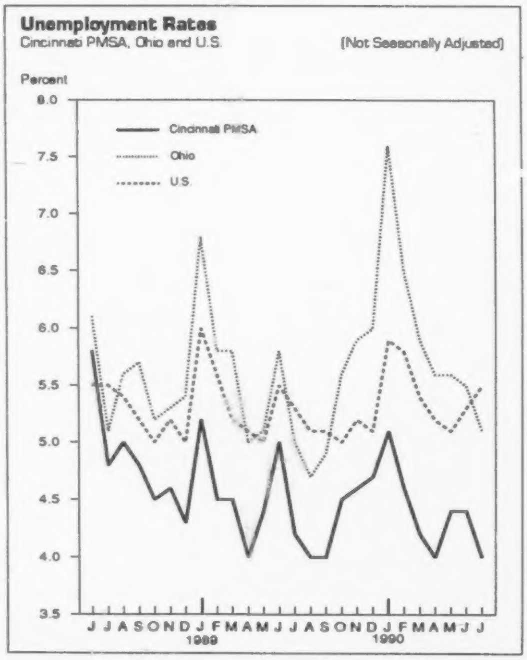


Nonfarm payroll employment in the Cincinnati metropolitan area rose 2,600 from July to 757,200 in August 1990. More business in retail trade and services added 1,600 jobs in the service-producing sector. Gains in construction and scattered improvements in manufacturing increased employment in goods-producing industries 1,000 over the month to 187,800. Factory production workers averaged $12.18 per hour, up 16 cents from July. Their average workweek of 43.7 hours was 0.7 hours longer.

Nonagricultural wage and salary employment advanced 26,300 between August 1989 and August 1990. Expansion in the service-producing sector contributed 88.6 percent of the gain. Significant growth occurred in retail trade (+8,600) and services (+7,100). Noteworthy improvements were also posted in local government, wholesale trade, and transportation and public utilities. Increases in construction and manufacturing raised employment in goods-producing industries 3,000 during the period. Modest gains were recorded in transportation equipment, printing and publishing, and chemicals and allied products.

Seasonally adjusted employment in the Cincinnati area increased 2,000 from July to 755,000 in August 1990. Improvements in construction, retail trade, and services more than offset a decline in manufacturing. Since August 1989, total payroll employment advanced 26,000. Leading areas of expansion were retail trade (+9,000), services (+7,000), and government (+4,000).


Indexes of Total Employment
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Cincinnati PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment	Manufacturing Employment	Manufacturing Production Workers	Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	$303.37	41.5	$7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
761.3	722.2	39.0	5.1	1988	701.6	145.7	92.5	476.15	42.4	11.23
780.3	745.4	34.9	4.5	1989	726.4	146.7	92.6	497.64	42.9	11.60
				1989						
793.8	762.3	31.5	4.0	August	730.9	147.8	93.1	503.41	43.1	11.68
784.2	752.7	31.5	4.0	September	738.0	148.9	94.1	506.48	43.4	11.67
787.4	751.9	35.5	4.5	October	739.2	148.8	94.3	508.21	43.4	11.71
788.5	752.2	36.3	4.6	November	743.8	149.5	94.6	511.13	43.5	11.75
790.7	753.4	37.3	4.7	December	748.2	149.7	94.8	498.19	42.8	11.64
				1990						
779.7	740.3	39.4	5.1	January	726.3	148.9	93.7	502.04	42.8	11.73
775.6	739.7	35.9	4.6	February	727.9	149.1	93.9	498.53	42.5	11.73
777.2	744.5	32.7	4.2	March	735.1	148.3	93.1	515.70	43.3	11.91
780.3	748.7	31.5	4.0	April	744.8	147.8	92.7	490.73	41.8	11.74
784.6	750.3	34.3	4.4	May	753.0	148.0	92.8	519.60	43.3	12.00
799.2	764.1	35.1	4.4	June	758.8	148.8	93.4	528.00	43.6	12.11
799.8	768.2	31.6	4.0	July	754.7	148.7	93.3	516.86	43.0	12.02
INA	INA	INA	INA	August	757.2	149.1	93.8	532.27	43.7	12.18

INA – Information not available

Cincinnati PMSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
607	201	27	173	1979	406	34	38	102	32	117	83
601	188	25	162	1980	413	34	39	102	33	122	84
592	180	22	157	1981	412	33	38	102	33	124	82
575	167	20	146	1982	408	32	37	102	32	124	80
576	161	20	140	1983	414	31	37	105	33	130	79
601	167	22	145	1984	433	32	39	111	34	137	79
628	171	23	147	1985	457	34	41	118	36	147	81
651	174	26	148	1986	477	33	42	122	38	156	85
678	176	30	146	1987	502	36	44	127	40	168	87
702	178	32	146	1988	524	38	45	135	42	176	88
726	181	34	147	1989	545	39	48	142	43	183	90
				1989							
729	181	34	147	August	547	40	48	143	43	183	91
730	182	34	148	September	548	40	48	144	43	184	90
733	183	34	148	October	551	40	48	145	43	185	90
737	183	35	148	November	554	40	49	145	43	188	90
740	184	35	148	December	556	40	49	146	43	189	90
				1990							
741	186	35	150	January	555	41	48	147	43	185	91
744	187	36	151	February	557	41	49	148	43	186	91
746	186	36	150	March	560	41	49	149	43	188	91
746	185	36	149	April	561	41	49	150	43	187	91
749	185	36	149	May	564	41	49	151	43	188	92
752	185	36	149	June	567	41	50	151	43	189	93
753	184	35	149	July	569	41	50	151	43	189	95
755	184	36	148	August	571	41	50	152	43	190	95

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	757.2	754.7	730.9	2.6	26.3
Goods-Producing Industries[e]	187.8	186.8	184.8	1.0	3.0
Construction	38.2	37.6	36.5	.6	1.7
Manufacturing	149.1	148.7	147.8	.4	1.3
Durable Goods[f]	80.5	80.3	79.9	.2	.6
Fabricated Metal Products	12.2	12.1	12.2	.1	.0
Fabricated Structural Metal Products	4.5	4.4	4.4	.1	.1
Industrial Machinery and Equipment	19.2	19.1	19.3	.0	-.1
Electronic and Other Electric Equipment	7.6	7.6	7.8	.0	-.2
Transportation Equipment	25.0	25.1	24.3	-.1	.7
Motor Vehicles and Equipment	4.9	5.0	5.0	-.1	-.1
Instruments and Related Products	3.5	3.6	3.5	.0	.0
Nondurable Goods[g]	68.6	68.5	68.0	.2	.7
Food and Kindred Products	12.3	12.4	12.2	.0	.1
Beverages	3.0	3.0	2.8	.0	.1
Apparel and Other Textile Products	3.4	3.5	3.6	-.1	-.2
Paper and Allied Products	6.0	5.9	5.9	.1	.1
Printing and Publishing	14.7	14.6	14.3	.1	.3
Commercial Printing	6.4	6.4	6.3	.0	.1
Chemicals and Allied Products	22.7	22.7	22.3	.0	.3
Rubber and Miscellaneous Plastics Products	6.9	6.8	6.9	.1	.0
Service-Producing Industries	569.4	567.9	546.1	1.6	23.3
Transportation and Public Utilities	41.4	41.2	39.7	.2	1.7
Transportation	24.9	24.7	23.4	.2	1.5
Trucking and Warehousing	11.3	11.2	10.7	.1	.6
Transportation by Air	6.9	6.8	6.2	.1	.7
Communications, Electric, Gas Services	16.5	16.5	16.3	.0	.3
Communications	9.6	9.6	9.8	.0	-.2
Wholesale Trade	49.8	50.0	47.9	-.2	1.9
Wholesale Trade-Durable Goods	29.2	29.3	28.5	-.1	.8
Retail Trade	152.6	151.5	143.9	1.0	8.6
General Merchandise Stores	22.3	22.3	21.1	.1	1.2
Finance, Insurance, and Real Estate	43.6	43.6	43.2	.0	.4
Finance	17.6	17.7	17.4	.0	.3
Depository Institutions	13.9	13.9	13.6	.0	.3
Commercial Banks	9.8	9.7	9.5	.0	.3
Insurance	16.9	17.1	17.1	-.2	-.2
Insurance Carriers	14.1	14.3	14.4	-.2	-.3
Life Insurance	6.7	6.7	6.9	.0	-.2
Fire, Marine, and Casualty Insurance	5.3	5.3	5.1	.0	.3
Services	194.1	193.3	187.0	.8	7.1
Hotels and Other Lodging Places	8.1	8.0	7.8	.1	.3
Personal Services	8.5	8.6	8.2	-.1	.3
Business Services	38.8	38.3	37.3	.5	1.5
Services to Buildings	6.3	6.1	5.9	.1	.4
Computer and Data Processing Services	4.9	4.9	4.6	.0	.4
Amusements, Including Motion Pictures	14.2	14.4	14.5	-.2	-.3
Health Services	58.6	58.3	56.2	.3	2.4
Nursing and Personal Care Facilities	11.2	11.2	11.0	.0	.3
Hospitals	27.9	27.9	26.9	.1	1.1
Legal Services	4.7	4.7	4.3	.0	.3
Educational Services	5.8	5.9	5.8	-.1	.0
Social Services	12.7	12.6	12.0	.1	.7
Residential Care	5.0	5.0	4.8	.0	.2
Engineering and Management Services	17.3	17.1	16.5	.2	.9
Engineering and Architectural Services	6.0	5.9	5.6	.1	.3
Government	87.9	88.3	84.3	-.3	3.6
Federal Government	16.5	16.5	15.6	.0	.9
State Government	20.2	19.5	19.7	.7	.5
State Government Education[h]	11.9	11.2	11.4	.7	.4
Local Government	51.2	52.2	49.0	-1.0	2.1
Local Government Education	26.2	26.6	24.7	-.4	1.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

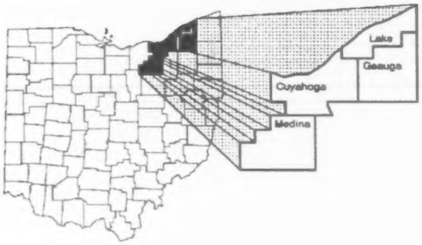
Not Seasonally Adjusted

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$532.27	$516.86	$503.41	43.7	43.0	43.1	$12.18	$12.02	$11.68
Durable Goods[f]	527.35	503.76	491.63	43.8	42.8	42.9	12.04	11.77	11.46
Fabricated Metal Products	444.62	442.04	416.33	43.0	43.0	41.8	10.34	10.28	9.96
Fabricated Structural Metal Products	519.49	523.25	446.61	44.9	45.5	41.7	11.57	11.50	10.71
Industrial Machinery and Equipment	478.34	469.53	454.86	42.9	42.3	42.0	11.15	11.10	10.83
Electronic and Other Electric Equipment	388.82	395.91	367.84	40.8	41.5	40.6	9.53	9.54	9.06
Transportation Equipment	832.61	738.44	772.68	48.1	44.7	47.0	17.31	16.52	16.44
Motor Vehicles and Equipment	996.56	740.81	904.24	52.7	42.6	50.8	18.91	17.39	17.80
Instruments and Related Products	419.08	418.25	355.73	44.3	44.4	44.3	9.46	9.42	8.03
Nondurable Goods[g]	537.15	530.86	515.27	43.6	43.3	43.3	12.32	12.26	11.90
Food and Kindred Products	487.83	488.99	524.21	42.2	42.3	44.2	11.56	11.56	11.86
Beverages	561.46	561.96	545.69	41.9	42.0	42.4	13.40	13.38	12.87
Apparel and Other Textile Products	250.90	256.70	238.88	37.9	38.2	37.5	6.62	6.72	6.37
Paper and Allied Products	467.67	463.06	459.88	42.4	42.6	42.7	11.03	10.87	10.77
Printing and Publishing	531.65	519.98	470.66	42.6	41.9	40.4	12.48	12.41	11.65
Commercial Printing	571.59	553.67	486.03	45.4	44.4	42.3	12.59	12.47	11.49
Chemicals and Allied Products	688.73	676.01	645.74	46.1	45.8	45.7	14.94	14.76	14.13
Rubber and Miscellaneous Plastics Products	442.53	433.00	409.60	44.7	43.3	42.8	9.90	10.00	9.57
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	586.65	607.65	595.75	39.8	40.7	41.4	14.74	14.93	14.39
Communications	585.49	605.09	603.17	38.8	39.6	41.2	15.09	15.28	14.64
Wholesale Trade	447.54	444.04	430.34	39.5	39.4	39.3	11.33	11.27	10.95
Retail Trade[i]	177.56	179.66	172.87	28.5	28.7	29.4	6.23	6.26	5.88
General Merchandise Stores	223.61	225.88	204.41	30.8	30.9	30.6	7.26	7.31	6.68
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	306.01	306.89	284.28	....	....	....	.....	.....	.....
Commercial Banks	271.59	273.96	259.49	....	....	....	.....	.....	.....
Insurance	......	......	......	....	....	....	.....	.....	.....
Insurance Carriers	417.08	414.65	402.32	....	....	....	.....	.....	.....
Life Insurance	426.80	425.53	412.42	....	....	....	.....	.....	.....
Fire, Marine, and Casualty Insurance	426.97	422.65	415.78	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	435.27	439.19	390.08	32.9	32.8	32.0	13.23	13.39	12.19
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	642.80	652.29	627.50	41.1	41.6	40.8	15.64	15.68	15.38

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

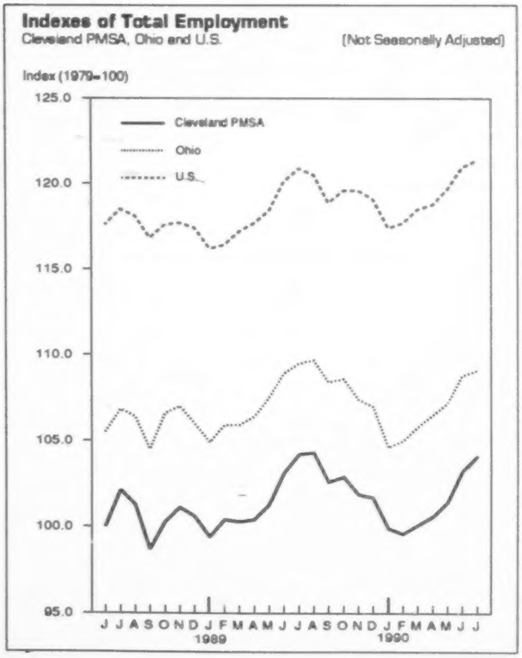
Cleveland
Primary Metropolitan Statistical Area

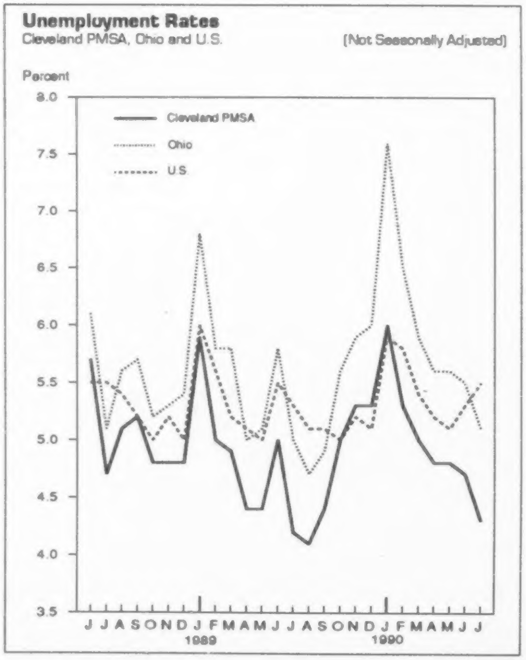


Nonagricultural wage and salary employment in the Cleveland metropolitan area dropped 5,800 below the July level to 960,800 in August 1990. Employment in service-producing industries declined 4,300 as seasonal layoffs in local government overshadowed more business in services. The workforce in goods-producing industries fell 1,500 over the month to 244,100. Production cutbacks in transportation equipment due to fewer orders and a reduction in food and kindred products outweighed modest gains in construction employment. Factory production workers averaged $12.18 per hour, up fractionally from July. Their average workweek of 43.0 hours was 0.6 hours longer.

Total nonfarm payroll employment advanced 19,200 between August 1989 and August 1990. Growth in service-producing industries contributed 96.9 percent of the gain. Significant expansion occurred in services (+9,400) and retail trade (+6,600). Notable improvements were also posted in wholesale trade and finance, insurance, and real estate. Employment in goods-producing industries increased 600 during the period. Moderate gains in construction, especially special trade contractors, more than offset declines in manufacturing. Reductions in industrial machinery and equipment, primary metal industries, and transportation equipment negated improvements in printing and publishing and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Cleveland area totaled 954,000 in August 1990, down 3,000 from July. Declines in government and manufacturing outweighed gains in wholesale trade and services. Since August 1989, total payroll employment advanced 19,000. Primary growth industries were services and retail trade.


Indexes of Total Employment
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Cleveland PMSA, Ohio and U.S. [Not Seasonally Adjusted]

Cleveland PMSA Labor Force and Employment Data
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	$337.60	42.2	$8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
936.5	885.0	51.4	5.5	1988	911.3	203.3	131.1	508.65	43.4	11.72
951.7	905.7	46.0	4.8	1989	935.2	207.0	133.3	509.87	43.1	11.83
				1989						
967.4	927.6	39.8	4.1	August	941.6	206.6	132.1	494.49	42.3	11.69
953.8	912.1	41.6	4.4	September	945.9	207.7	133.3	517.65	43.5	11.90
963.3	915.2	48.1	5.0	October	947.7	207.4	133.3	507.94	42.9	11.84
956.2	905.8	50.5	5.3	November	949.2	207.9	133.7	509.98	43.0	11.86
954.9	904.0	50.9	5.3	December	953.5	208.2	133.8	511.70	43.0	11.90
				1990						
945.1	888.0	57.1	6.0	January	926.5	205.6	131.3	495.33	42.3	11.71
935.5	885.7	49.8	5.3	February	928.4	206.6	132.3	502.60	42.2	11.91
936.8	890.1	46.7	5.0	March	936.0	206.1	131.8	522.88	43.0	12.16
939.2	894.4	44.9	4.8	April	947.1	206.7	132.1	498.78	41.6	11.99
947.1	901.5	45.5	4.8	May	958.9	207.2	132.4	531.72	43.3	12.28
962.5	917.2	45.3	4.7	June	969.3	208.1	133.0	534.25	43.4	12.31
967.8	925.7	42.1	4.3	July	966.6	207.3	131.8	514.74	42.4	12.14
INA	INA	INA	INA	August	960.8	205.6	130.4	523.74	43.0	12.18

INA – Information not available

Cleveland PMSA Nonagricultural Wage and Salary Employment
Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
920	311	34	276	1979	608	48	66	147	48	182	118
896	286	30	255	1980	610	46	64	141	48	188	123
881	276	28	247	1981	605	45	63	137	48	192	120
845	249	25	223	1982	595	43	61	134	48	192	117
830	234	25	207	1983	596	41	59	136	48	196	116
854	243	28	214	1984	612	42	62	141	49	204	115
869	240	28	211	1985	629	41	63	146	50	213	116
879	232	26	205	1986	647	41	62	150	52	225	116
892	230	28	201	1987	662	41	61	154	55	233	117
911	234	29	203	1988	678	41	64	157	56	243	116
935	241	33	207	1989	694	42	66	159	57	252	118
				1989							
935	241	33	207	August	694	42	67	160	57	253	116
939	241	33	207	September	698	42	67	160	57	253	119
941	241	33	207	October	700	42	67	160	57	253	120
941	241	33	207	November	700	43	67	161	57	254	119
944	242	34	207	December	702	43	67	161	57	255	119
				1990							
945	241	33	207	January	704	43	67	161	58	255	120
949	243	34	208	February	706	43	68	162	57	256	120
952	242	34	207	March	710	43	68	163	58	258	121
954	242	34	208	April	711	43	68	164	58	258	120
957	242	34	207	May	715	43	68	164	58	259	122
958	242	34	207	June	716	43	69	165	58	260	122
957	242	34	207	July	714	43	68	166	58	261	119
954	241	34	206	August	713	43	69	166	58	262	115

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	960.8	966.6	941.6	-5.8	19.2
Goods-Producing Industries[e]	244.1	245.5	243.4	-1.5	.6
Construction	37.6	37.3	36.0	.3	1.6
Special Trade Contractors	25.5	25.5	24.6	.1	.9
Manufacturing	205.6	207.3	206.6	-1.7	-1.0
Durable Goods[f]	140.0	141.5	141.3	-1.5	-1.3
Stone, Clay, and Glass Products	3.8	3.8	3.7	.0	.1
Primary Metal Industries	20.7	20.8	21.3	-.1	-.5
Iron and Steel Foundries	4.1	4.3	4.5	-.1	-.3
Fabricated Metal Products	34.2	34.3	34.0	-.1	.2
Screw Machine Products, Bolts, etc.	4.9	4.9	5.1	.0	-.2
Metal Forgings and Stampings	10.9	11.0	10.7	-.1	.2
Industrial Machinery and Equipment	33.0	33.1	34.2	-.1	-1.2
Metalworking Machinery	13.0	13.2	13.2	-.2	-.2
Electronic and Other Electric Equipment	15.4	15.6	15.1	-.1	.3
Electrical Industrial Apparatus	4.3	4.2	4.3	.0	.0
Electric Lighting and Wiring Equipment	5.0	5.2	5.1	-.1	-.1
Transportation Equipment	18.3	19.2	18.7	-.9	-.4
Motor Vehicles and Equipment	11.3	12.1	11.5	-.8	-.2
Instruments and Related Products	7.1	7.1	7.1	.0	.0
Measuring and Controlling Devices	5.1	5.1	4.9	.0	.2
Nondurable Goods[g]	65.6	65.9	65.2	-.3	.4
Food and Kindred Products	6.1	6.4	6.4	-.3	-.3
Apparel and Other Textile Products	3.1	3.2	3.2	-.1	-.1
Paper and Allied Products	5.8	5.8	6.0	.0	-.2
Printing and Publishing	17.5	17.5	17.1	-.1	.4
Chemicals and Allied Products	15.2	15.2	14.9	.0	.3
Rubber and Miscellaneous Plastics Products	12.0	11.9	11.7	.2	.4
Miscellaneous Plastics Products	7.7	7.5	7.2	.1	.5
Service-Producing Industries	716.8	721.1	698.2	-4.3	18.6
Transportation and Public Utilities	43.4	43.5	42.7	-.1	.7
Transportation	26.6	26.4	25.1	.2	1.5
Trucking and Warehousing	11.9	11.8	11.6	.1	.2
Transportation by Air	5.4	5.4	5.0	.1	.4
Communications, Electric, Gas Services	16.9	17.1	17.6	-.2	-.8
Communications	10.0	10.0	10.3	.0	-.3
Electric, Gas, and Sanitary Services	6.8	7.1	7.3	-.2	-.5
Wholesale Trade	69.2	69.1	67.1	.2	2.1
Wholesale Trade-Durable Goods	47.1	47.1	45.7	.0	1.4
Motor Vehicles, Parts, and Supplies	4.0	4.0	4.2	.0	-.2
Professional and Commercial Equipment	9.2	9.3	9.2	.0	.1
Retail Trade	167.2	166.7	160.6	.6	6.6
General Merchandise Stores	20.9	21.0	20.2	-.1	.7
Finance, Insurance, and Real Estate	58.6	58.6	57.5	.1	1.1
Finance	28.4	28.5	28.0	.0	.5
Depository Institutions	21.1	21.1	20.7	.0	.4
Commercial Banks	13.3	13.3	13.1	.0	.2
Insurance	18.7	18.6	18.5	.1	.2
Insurance Carriers	14.1	14.1	14.0	.1	.2
Fire, Marine, and Casualty Insurance	6.5	6.4	6.3	.1	.2
Services	264.2	263.2	254.9	1.0	9.4
Business Services	55.9	55.6	52.8	.4	3.1
Personnel Supply Services	21.5	21.3	19.9	.2	1.6
Computer and Data Processing Services	7.1	7.2	6.5	.0	.7
Amusements, Including Motion Pictures	13.8	13.5	14.3	.2	-.5
Health Services	80.6	80.3	79.4	.4	1.2
Nursing and Personal Care Facilities	13.9	13.8	13.4	.2	.5
Hospitals	44.1	44.0	44.2	.1	-.1
Legal Services	10.1	10.1	9.7	.0	.4
Educational Services	15.1	15.4	14.1	-.3	1.0
Social Services	14.1	14.0	13.4	.1	.7
Residential Care	4.0	3.9	3.7	.0	.3
Engineering and Management Services	22.7	22.5	21.5	.2	1.2
Engineering and Architectural Services	8.3	8.3	8.0	.0	.3
Accounting, Auditing, and Bookkeeping	6.6	6.5	6.4	.1	.2
Management and Public Relations	4.9	4.9	4.4	.0	.5
Government	114.0	120.1	115.4	-6.1	-1.4
Federal Government	20.5	20.6	20.7	-.1	-.2
State Government	7.5	7.7	7.5	-.2	.0
State Government Education[h]	2.3	2.5	2.3	-.2	.0
Local Government	86.0	91.7	87.2	-5.8	-1.2
Local Government Education	38.3	42.0	40.0	-3.7	-1.7

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$523.74	$514.74	$494.49	43.0	42.4	42.3	$12.18	$12.14	$11.69
Durable Goods[f]	558.89	546.10	518.38	43.8	43.0	42.7	12.76	12.70	12.14
Stone, Clay, and Glass Products	545.79	489.91	481.22	44.7	41.1	41.2	12.21	11.92	11.68
Primary Metal Industries	533.37	515.59	512.60	44.3	43.4	43.7	12.04	11.88	11.73
Iron and Steel Foundries	849.88	762.10	767.60	47.4	43.9	45.1	17.93	17.36	17.02
Fabricated Metal Products	563.77	530.45	522.28	43.4	42.2	42.6	12.99	12.57	12.26
Screw Machine Products, Bolts, etc.	531.96	539.61	513.46	42.9	43.1	42.4	12.40	12.52	12.11
Metal Forgings and Stampings	724.82	656.86	638.06	45.5	43.3	43.2	15.93	15.17	14.77
Industrial Machinery and Equipment	565.10	548.08	490.98	45.1	44.2	42.0	12.53	12.40	11.69
Metalworking Machinery	512.83	509.07	508.03	42.7	42.6	43.2	12.01	11.95	11.76
Electronic and Other Electric Equipment	425.54	425.08	412.08	40.8	40.6	40.4	10.43	10.47	10.20
Electrical Industrial Apparatus	460.60	466.58	427.91	43.7	44.1	42.2	10.54	10.58	10.14
Electric Lighting and Wiring Equipment	394.75	389.50	379.01	38.4	38.0	38.4	10.28	10.25	9.87
Transportation Equipment	751.06	778.43	706.64	44.6	45.1	44.0	16.84	17.26	16.06
Motor Vehicles and Equipment	836.24	873.18	800.40	45.3	46.2	45.4	18.46	18.90	17.63
Instruments and Related Products	464.67	463.26	428.26	41.9	42.0	41.7	11.09	11.03	10.27
Measuring and Controlling Devices	470.98	463.52	470.01	42.7	42.1	43.6	11.03	11.01	10.78
Nondurable Goods[g]	439.36	436.81	435.94	41.1	40.9	41.4	10.69	10.68	10.53
Food and Kindred Products	456.25	440.43	476.77	40.7	39.5	43.7	11.21	11.15	10.91
Apparel and Other Textile Products	366.42	381.79	336.16	37.2	38.8	35.8	9.85	9.84	9.39
Paper and Allied Products	511.49	513.09	467.08	44.4	44.5	42.5	11.52	11.53	10.99
Printing and Publishing	384.92	373.06	377.48	37.7	36.9	37.9	10.21	10.11	9.96
Chemicals and Allied Products	556.85	546.56	541.51	43.1	42.6	43.6	12.92	12.83	12.42
Rubber and Miscellaneous Plastics Products	372.54	381.97	384.20	42.0	42.3	42.5	8.87	9.03	9.04
Miscellaneous Plastics Products	377.74	396.46	401.28	42.3	43.0	44.0	8.93	9.22	9.12
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	491.74	499.73	455.50	34.9	35.9	33.2	14.09	13.92	13.72
Communications, Electric, Gas Services	630.27	627.59	632.10	40.9	40.7	42.0	15.41	15.42	15.05
Wholesale Trade	467.65	467.27	447.19	39.8	39.7	39.4	11.75	11.77	11.35
Retail Trade[i]	192.77	193.86	184.98	28.1	28.3	27.9	6.86	6.85	6.63
General Merchandise Stores	184.90	185.26	186.40	28.1	27.9	28.2	6.58	6.64	6.61
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	321.45	319.16	318.91	....	....	....	.....	.....	.....
Depository Institutions	294.39	293.50	296.17	....	....	....	.....	.....	.....
Commercial Banks	285.37	285.08	291.13	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	343.81	342.72	322.30	31.6	31.5	31.2	10.88	10.88	10.33
Nursing and Personal Care Facilities	248.49	251.26	215.07	33.9	34.0	32.1	7.33	7.39	6.70
Hospitals	378.83	374.85	358.20	30.9	30.6	30.8	12.26	12.25	11.63

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

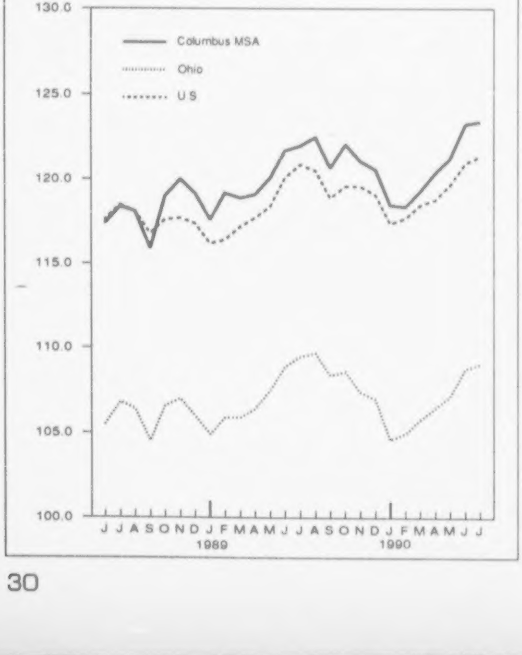
Columbus
Metropolitan Statistical Area

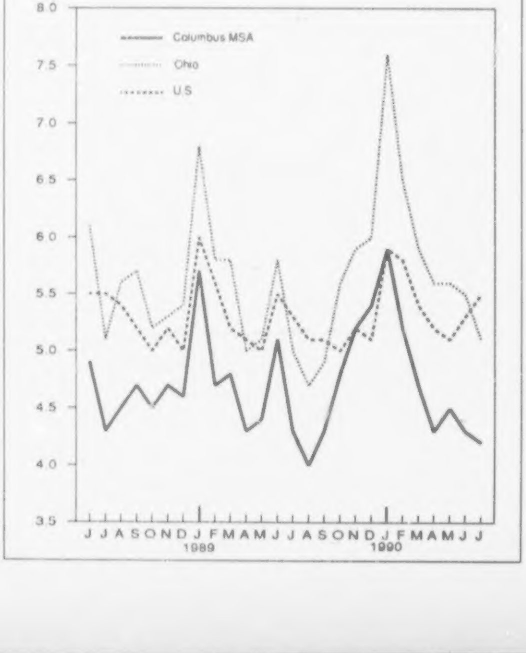
Union
Delaware
Licking
Franklin
Fairfield
Madison
Pickaway

In the Columbus metropolitan area, total nonfarm payroll employment rose 3,400 above the July level to 727,500 in August 1990. The settlement of a labor-management dispute in durable-goods manufacturing, increased production in stone, clay, and glass products, and more business in construction boosted employment in goods-producing industries 2,000 to 139,600. The workforce in service-producing industries added 1,500 jobs over the month. Gains in retail trade more than offset seasonal layoffs of nonteaching personnel in local schools. Manufacturing production workers averaged $12.36 per hour, down 9 cents from July. Their average workweek of 41.7 hours was 0.4 hours shorter.

Nonagricultural wage and salary employment advanced 26,800 between August 1989 and August 1990. Improvements in service-producing industries contributed 92.5 percent of the gain. Leading areas of expansion were services (+8,900) and retail trade (+8,700). Noteworthy growth also occurred in state and local government, wholesale trade, and finance, insurance, and real estate. Employment in goods-producing industries increased 2,000 over the year primarily due to expansion in construction and scattered gains in manufacturing, especially transportation equipment and printing and publishing.

Seasonally adjusted employment in the Columbus area rose 3,000 from July to 731,000 in August 1990. Improvements in manufacturing, retail trade, and services outweighed a decline in government. Since August 1989, total payroll employment advanced 27,000. A major portion of the growth occurred in retail trade (+9,000), services (+9,000), and government (+4,000).





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
		Unemployed						Hours & Earnings		
Total	Employed	Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.2	676.2	35.0	4.9	1988	680.5	102.6	67.9	479.33	41.5	11.55
730.3	695.6	34.7	4.8	1989	701.7	104.8	69.5	500.82	41.7	12.01
				1989						
736.7	707.5	29.2	4.0	August	700.7	105.2	69.8	496.39	41.4	11.99
728.2	697.0	31.2	4.3	September	706.2	106.1	70.7	504.15	41.7	12.09
740.3	704.9	35.4	4.8	October	712.9	105.5	70.5	512.02	41.9	12.22
737.5	699.1	38.5	5.2	November	716.6	105.9	71.2	519.82	42.4	12.26
736.1	696.2	39.9	5.4	December	718.6	105.2	70.6	525.64	42.7	12.31
				1990						
727.2	684.3	42.9	5.9	January	698.9	103.6	69.0	516.57	42.1	12.27
720.9	683.7	37.2	5.2	February	701.8	104.2	69.5	520.36	42.1	12.36
722.8	689.0	33.8	4.7	March	709.1	104.2	69.8	512.10	41.6	12.31
726.7	695.5	31.2	4.3	April	719.7	104.8	70.2	501.43	40.9	12.26
733.4	700.7	32.7	4.5	May	727.3	104.9	70.1	514.58	41.7	12.34
744.2	712.0	32.2	4.3	June	734.0	105.7	70.6	520.80	42.0	12.40
743.3	712.4	30.9	4.2	July	724.0	104.2	68.9	524.15	42.1	12.45
INA	INA	INA	INA	August	727.5	105.6	70.5	515.41	41.7	12.36

INA – Information not available

Columbus MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
558	142	23	118	1979	416	27	29	101	38	109	112
560	135	21	113	1980	425	27	29	101	40	113	115
557	130	19	109	1981	427	26	29	101	42	116	113
544	118	16	101	1982	426	25	28	100	44	117	111
548	117	17	99	1983	432	25	29	103	45	120	110
576	125	19	105	1984	451	26	31	110	47	127	110
604	129	22	106	1985	475	26	32	119	49	136	112
631	131	24	106	1986	500	27	32	125	54	146	116
658	132	27	104	1987	526	28	34	133	57	154	119
680	133	29	103	1988	548	30	36	138	59	162	123
702	135	29	105	1989	567	31	37	143	60	171	125
				1989							
704	135	29	105	August	569	31	37	144	60	172	125
704	135	29	105	September	569	31	37	144	60	173	124
705	135	29	105	October	570	31	37	145	60	173	125
707	135	29	105	November	572	31	37	145	60	174	125
709	135	29	105	December	574	31	37	146	60	174	126
				1990							
710	135	30	104	January	575	31	38	147	61	174	126
712	136	30	105	February	577	31	37	147	61	175	126
717	136	30	105	March	581	31	38	148	61	176	127
721	136	30	105	April	585	32	38	150	61	178	128
724	137	30	105	May	588	32	38	150	61	179	128
727	137	30	106	June	591	32	38	151	61	179	129
728	135	30	104	July	593	31	38	152	61	180	130
731	137	30	105	August	594	31	38	153	61	181	129

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[p]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	727.5	724.0	700.7	3.4	26.8
Goods-Producing Industries[e]	139.6	137.6	137.6	2.0	2.0
Construction	33.0	32.5	31.6	.5	1.4
Manufacturing	105.6	104.2	105.2	1.4	.5
Durable Goods[f]	66.1	64.8[i]	66.0	1.3	.1
Stone, Clay, and Glass Products	10.2	9.7	10.0	.5	.2
Glass and Glassware, Pressed or Blown	3.5	3.0	3.5	.5	.0
Fabricated Metal Products	9.5	9.7	9.7	-.1	-.2
Industrial Machinery and Equipment	9.9	9.9	9.7	.0	.2
Electronic and Other Electric Equipment	9.1	9.1	9.4	.0	-.3
Transportation Equipment	14.5	14.4	13.8	.0	.7
Motor Vehicles and Equipment	13.4	13.4	13.1	.0	.3
Instruments and Related Products	4.6	4.7	4.8	-.1	-.2
Nondurable Goods[g]	39.5	39.4	39.1	.1	.4
Food and Kindred Products	11.0	10.9	10.9	.1	.1
Dairy Products	4.4	4.3	4.0	.0	.3
Printing and Publishing	11.0	11.0	10.7	.0	.4
Chemicals and Allied Products	7.0	7.0	7.0	.0	.0
Rubber and Miscellaneous Plastics Products	6.3	6.2	6.2	.1	.1
Service-Producing Industries	587.9	586.4	563.1	1.5	24.8
Transportation and Public Utilities	31.9	31.6	31.1	.2	.8
Transportation	19.6	19.4	18.7	.2	.9
Trucking and Warehousing	14.1	13.9	13.1	.1	1.0
Communications, Electric, Gas Services	12.2	12.2	12.4	.0	-.2
Communications	7.6	7.5	7.8	.0	-.2
Electric, Gas, and Sanitary Services	4.7	4.7	4.6	.0	.1
Wholesale Trade	38.5	38.4	37.1	.1	1.4
Wholesale Trade-Durable Goods	24.7	24.8	24.0	-.1	.8
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.1	.0	.1
Machinery, Equipment, and Supplies	5.6	5.6	5.4	-.1	.1
Wholesale Trade-Nondurable Goods	13.8	13.6	13.1	.2	.6
Retail Trade	152.9	151.1	144.1	1.7	8.7
General Merchandise Stores	21.6	21.2	20.8	.4	.8
Food Stores	17.2	17.3	16.4	-.1	.8
Automotive Dealers and Service Stations	15.3	15.2	14.3	.1	1.0
Finance, Insurance, and Real Estate	61.8	62.0	60.7	-.2	1.1
Finance	24.2	24.2	23.9	.0	.4
Depository Institutions	14.6	14.6	14.6	.0	.0
Commercial Banks	12.5	12.4	12.0	.0	.5
Insurance	28.2	28.3	27.8	-.1	.4
Insurance Carriers	24.2	24.3	23.8	-.1	.4
Services	181.9	181.7	173.0	.2	8.9
Business Services	39.4	39.1	36.7	.3	2.7
Personnel Supply Services	14.8	14.7	13.1	.1	1.7
Health Services	47.3	47.1	45.1	.2	2.2
Nursing and Personal Care Facilities	8.3	8.3	8.1	.1	.2
Hospitals	21.9	21.9	21.0	.0	.9
Legal Services	4.7	4.8	4.5	.0	.2
Educational Services	6.0	6.1	5.4	-.1	.6
Social Services	12.8	12.8	12.5	.0	.3
Engineering and Management Services	18.6	18.6	17.8	.1	.8
Engineering and Architectural Services	4.8	4.7	4.5	.0	.3
Accounting, Auditing, and Bookkeeping	4.1	4.1	4.1	.0	.0
Research and Testing Services	6.4	6.4	6.1	.0	.3
Government	121.0	121.5	117.1	-.6	3.8
Federal Government	16.6	16.4	16.3	.1	.2
State Government	52.7	52.8	50.7	-.1	2.0
State Government Education[h]	19.1	19.2	18.1	-.1	1.0
Local Government	51.7	52.3	50.1	-.6	1.6
Local Government Education	28.6	29.0	27.7	-.4	.8

Hours and Earnings of Production or Nonsupervisory Workers[a]

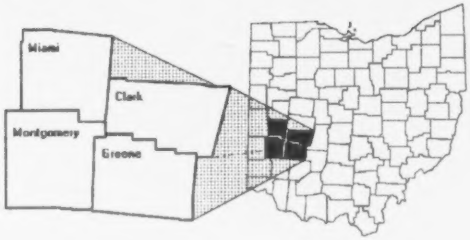
Not Seasonally Adjusted

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$515.41	$524.15	$496.39	41.7	42.1	41.4	$12.36	$12.45	$11.99
Durable Goods[f]	531.72	542.72	511.24	42.0	42.4	41.7	12.66	12.80	12.26
Stone, Clay, and Glass Products	532.84	538.38	526.36	44.0	43.7	43.9	12.11	12.32	11.99
Glass and Glassware, Pressed or Blown	455.26	478.08	447.20	41.5	41.9	41.6	10.97	11.41	10.75
Fabricated Metal Products	526.49	524.28	499.60	41.1	40.8	40.0	12.81	12.85	12.49
Industrial Machinery and Equipment	488.93	551.62	473.28	41.4	44.2	40.8	11.81	12.48	11.60
Electronic and Other Electric Equipment	510.05	503.47	490.65	41.1	40.8	41.9	12.41	12.34	11.71
Transportation Equipment	627.97	634.23	597.49	43.1	43.5	41.9	14.57	14.58	14.26
Motor Vehicles and Equipment	634.61	642.39	599.59	43.2	43.7	41.9	14.69	14.70	14.31
Instruments and Related Products	428.49	441.25	418.40	40.5	41.2	40.0	10.58	10.71	10.46
Nondurable Goods[g]	484.92	489.29	468.71	41.2	41.5	40.9	11.77	11.79	11.46
Food and Kindred Products	423.46	441.42	406.22	40.6	42.0	40.3	10.43	10.51	10.08
Dairy Products	612.05	616.05	576.45	43.5	45.0	42.2	14.07	13.69	13.66
Printing and Publishing	570.96	569.33	537.04	40.9	40.9	39.2	13.96	13.92	13.70
Chemicals and Allied Products	612.96	614.79	595.82	41.5	41.4	41.9	14.77	14.85	14.22
Rubber and Miscellaneous Plastics Products	394.42	400.44	381.55	41.3	41.8	42.3	9.55	9.58	9.02
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Transportation	......	......	......	....	....	....	.....	.....	.....
Trucking and Warehousing	448.99	455.49	379.73	34.3	35.2	29.3	13.09	12.94	12.96
Communications, Electric, Gas Services	680.60	689.23	617.81	43.6	43.9	42.2	15.61	15.70	14.64
Communications	593.60	595.81	615.50	39.6	39.8	42.1	14.99	14.97	14.62
Electric, Gas, and Sanitary Services	823.28	841.98	620.54	50.2	50.6	42.3	16.40	16.64	14.67
Wholesale Trade	406.95	402.15	390.91	38.5	38.3	38.1	10.57	10.50	10.26
Retail Trade[i]	185.87	185.47	184.90	27.7	27.6	28.8	6.71	6.72	6.42
General Merchandise Stores	209.38	211.12	200.39	28.8	29.2	29.0	7.27	7.23	6.91
Food Stores	193.57	187.00	195.30	28.3	27.5	27.9	6.84	6.80	7.00
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	457.59	458.97	414.95	....	....	....	.....	.....	.....
Depository Institutions	300.26	298.31	275.48	....	....	....	.....	.....	.....
Commercial Banks	298.14	295.08	274.00	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Nursing and Personal Care Facilities	233.28	240.50	219.72	32.0	32.9	32.6	7.29	7.31	6.74
Hospitals	398.13	404.26	378.25	33.4	34.0	34.2	11.92	11.89	11.06
Engineering and Management Services	......	......	......	....	....	....	.....	.....	.....
Engineering and Architectural Services	484.82	477.70	465.71	38.6	38.4	39.5	12.56	12.44	11.79

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

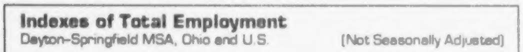
Dayton-Springfield Metropolitan Statistical Area

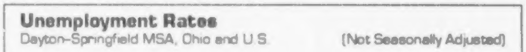


In the Dayton-Springfield metropolitan area, nonfarm payroll employment totaled 457,300 in August 1990, up 1,700 from the July level. Seasonal upturns in services, retail trade, and local and federal government raised employment in service-producing industries 2,400. The workforce in goods-producing industries, at 124,300, lost 700 jobs over the month primarily due to scattered declines in manufacturing. Modest reductions were posted in industrial machinery and equipment, food and kindred products, and rubber and miscellaneous plastics products. Factory production worker average hourly earnings were slightly higher than July at $13.56. Their average workweek of 42.5 hours was 0.3 hours longer.

Nonagricultural wage and salary employment advanced 11,900 between August 1989 and August 1990. The number of employees in the service-producing sector increased 11,800. Leading areas of expansion were services, especially business and health services, local government, retail trade, and transportation and public utilities. Nominal growth in construction offset reductions in manufacturing, raising employment in goods-producing industries 100. Over-the-year production cutbacks in industrial machinery and equipment nearly offset a significant gain in transportation equipment.

Seasonally adjusted employment in the Dayton-Springfield area increased 2,000 from July to 461,000 in August 1990. Improvements in government and transportation and public utilities outweighed declines in construction and manufacturing. Since August 1989, total payroll employment advanced 12,000 primarily due to growth in services, government, and retail trade.


Indexes of Total Employment
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)


Unemployment Rates
Dayton-Springfield MSA, Ohio and U.S. (Not Seasonally Adjusted)

Dayton-Springfield MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.91	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
468.2	443.9	24.4	5.2	1988	437.7	105.0	67.5	548.14	43.4	12.63
478.6	454.1	24.4	5.1	1989	448.3	104.5	67.2	555.56	42.9	12.95
				1989						
480.0	459.0	21.0	4.4	August	445.4	104.7	66.7	531.70	41.8	12.72
479.3	457.4	21.9	4.6	September	454.0	105.0	67.4	555.54	42.8	12.98
487.6	457.6	30.0	6.2	October	453.3	101.7	65.1	552.12	42.8	12.90
480.4	453.5	27.0	5.6	November	455.2	102.3	65.8	555.53	42.7	13.01
480.9	453.5	27.3	5.7	December	458.3	104.3	68.0	551.51	42.1	13.10
				1990						
478.5	446.2	32.3	6.7	January	446.3	103.0	66.5	535.30	41.4	12.93
473.4	444.9	28.4	6.0	February	447.1	103.3	66.6	545.02	41.7	13.07
475.1	448.6	26.5	5.6	March	452.1	104.1	67.2	553.92	41.9	13.22
474.2	449.8	24.3	5.1	April	456.1	104.0	67.4	539.23	41.1	13.12
476.5	451.5	25.0	5.2	May	459.6	104.7	68.0	583.08	43.0	13.56
481.9	456.8	25.1	5.2	June	461.5	105.9	68.8	605.68	43.7	13.86
479.6	457.6	22.0	4.6	July	455.6	105.5	68.0	570.54	42.2	13.52
INA	INA	INA	INA	August	457.3	104.7	67.5	576.30	42.5	13.56

INA – Information not available

Dayton-Springfield MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted
(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
409	139	16	122	1979	270	16	17	68	16	80	74
397	126	15	111	1980	271	16	17	66	16	82	75
393	123	13	110	1981	270	15	18	64	16	84	74
374	108	10	97	1982	266	14	18	62	16	85	72
372	106	11	96	1983	266	14	18	63	16	85	71
393	116	12	104	1984	277	15	19	67	16	89	71
409	120	13	106	1985	289	14	19	71	17	95	72
419	121	15	106	1986	298	15	19	75	17	100	73
430	121	16	104	1987	309	16	19	78	18	104	74
438	123	17	105	1988	315	17	20	79	18	108	73
448	123	18	105	1989	326	17	21	80	18	114	76
				1989							
449	122	17	105	August	326	18	21	80	18	114	76
450	122	17	104	September	328	18	21	80	18	114	76
448	119	17	101	October	329	18	21	80	18	115	77
449	120	18	102	November	329	18	21	80	18	116	77
453	122	18	104	December	331	18	21	80	18	116	77
				1990							
453	122	18	104	January	330	18	21	81	18	115	78
454	123	18	104	February	331	18	21	81	18	116	77
457	124	18	105	March	333	18	21	82	18	117	78
456	123	18	105	April	333	18	22	82	18	117	77
458	123	18	105	May	335	18	22	82	18	117	78
459	124	18	105	June	335	18	22	82	17	117	78
459	123	18	105	July	336	18	22	82	18	118	78
461	122	17	104	August	338	19	22	82	18	118	80

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	457.3	455.6	445.4	1.7	11.9
Goods-Producing Industries[e]	124.3	125.0	124.2	-.7	.1
Construction	19.2	19.1	19.0	.1	.2
Manufacturing	104.7	105.5	104.7	-.8	-.1
Durable Goods[f]	74.7	75.4	75.3	-.7	-.5
Fabricated Metal Products	8.5	8.5	8.7	.0	-.2
Industrial Machinery and Equipment	30.6	31.1	32.0	-.5	-1.4
Metalworking Machinery	8.2	8.3	8.7	-.2	-.5
General Industrial Machinery	3.0	3.0	3.0	.0	.0
Electronic and Other Electric Equipment	3.8	3.9	4.1	.0	-.3
Transportation Equipment	23.0	23.0	21.4	.0	1.6
Motor Vehicles and Equipment	19.8	19.9	18.3	.0	1.6
Nondurable Goods[g]	30.0	30.1	29.5	-.1	.5
Food and Kindred Products	2.5	2.7	2.8	-.2	-.3
Paper and Allied Products	6.3	6.2	6.1	.1	.2
Printing and Publishing	9.4	9.4	9.0	.0	.4
Rubber and Miscellaneous Plastics Products	7.5	7.6	7.9	-.2	-.4
Service-Producing Industries	332.9	330.6	321.2	2.4	11.8
Transportation and Public Utilities	18.8	18.6	17.7	.2	1.2
Transportation	12.4	12.2	11.3	.2	1.0
Trucking and Warehousing	6.8	6.9	6.3	-.1	.6
Communications, Electric, Gas Services	6.5	6.4	6.3	.0	.1
Communications	3.5	3.5	3.5	.0	.0
Wholesale Trade	21.5	21.7	21.1	-.1	.4
Wholesale Trade-Durable Goods	14.9	15.1	14.8	-.1	.1
Wholesale Trade-Nondurable Goods	6.6	6.6	6.3	.0	.3
Retail Trade	82.7	82.0	80.2	.7	2.5
General Merchandise Stores	11.5	11.3	11.3	.2	.2
Finance, Insurance, and Real Estate	17.8	17.8	18.1	.0	-.3
Finance	9.5	9.5	9.8	.0	-.3
Depository Institutions	7.2	7.2	7.6	.0	-.3
Insurance	4.4	4.4	4.3	.0	.1
Services	118.2	117.2	113.9	1.0	4.3
Business Services	24.2	23.9	22.3	.3	1.9
Personnel Supply Services	7.1	6.9	6.5	.2	.6
Computer and Data Processing Services	5.6	5.6	4.9	.0	.7
Health Services	39.9	39.8	38.9	.2	1.1
Nursing and Personal Care Facilities	7.2	7.2	7.1	.0	.1
Hospitals	20.3	20.2	19.9	.1	.4
Educational Services	5.3	5.5	5.4	-.2	-.1
Social Services	5.8	5.8	5.8	.0	.0
Engineering and Management Services	10.3	10.2	9.9	.1	.4
Research and Testing Services	3.5	3.5	3.3	.0	.2
Government	73.8	73.2	70.2	.6	3.6
Federal Government	29.0	28.7	29.7	.3	-.8
State Government	6.6	6.7	6.5	-.1	.1
State Government Education[h]	3.5	3.7	3.5	-.1	.0
Local Government	38.3	37.9	34.0	.4	4.3
Local Government Education	21.5	21.2	18.6	.3	2.9

Hours and Earnings of Production or Nonsupervisory Workers[a]

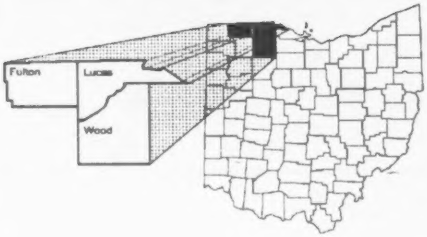
Not Seasonally Adjusted

Dayton–Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$576.30	$570.54	$531.70	42.5	42.2	41.8	$13.56	$13.52	$12.72
Durable Goods[f]	603.50	590.01	549.02	43.2	42.6	42.2	13.97	13.85	13.01
Fabricated Metal Products	408.78	395.69	394.83	41.5	40.5	41.0	9.85	9.77	9.63
Industrial Machinery and Equipment	618.25	598.77	587.38	43.6	42.8	43.0	14.18	13.99	13.66
Metalworking Machinery	627.70	579.44	591.28	46.6	44.3	45.8	13.47	13.08	12.91
General Industrial Machinery	509.65	501.73	494.94	42.9	42.7	43.8	11.88	11.75	11.30
Electronic and Other Electric Equipment	373.85	387.82	370.94	42.1	42.9	42.2	8.88	9.04	8.79
Transportation Equipment	761.52	752.48	679.00	44.3	43.8	42.2	17.19	17.18	16.09
Motor Vehicles and Equipment	775.67	762.56	680.88	44.4	43.8	41.9	17.47	17.41	16.25
Nondurable Goods[g]	500.61	512.50	481.89	40.7	41.0	40.7	12.30	12.50	11.84
Food and Kindred Products	343.78	337.74	348.88	39.2	39.0	40.9	8.77	8.66	8.53
Paper and Allied Products	500.53	490.16	492.06	43.6	43.3	43.7	11.48	11.32	11.26
Printing and Publishing	455.90	460.60	469.17	38.8	39.3	40.1	11.75	11.72	11.70
Rubber and Miscellaneous Plastics Products	635.77	695.93	606.45	39.1	41.4	38.9	16.26	16.81	15.59
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	559.80	570.04	589.38	39.9	40.4	41.8	14.03	14.11	14.10
Communications	572.63	575.48	595.06	40.1	40.3	41.7	14.28	14.28	14.27
Wholesale Trade	399.17	394.02	398.20	39.6	39.6	39.9	10.08	9.95	9.98
Retail Trade[i]	177.89	179.47	170.46	28.6	28.9	28.6	6.22	6.21	5.96
General Merchandise Stores	183.21	187.41	174.65	28.1	28.7	27.9	6.52	6.53	6.26
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	......	......	......	....	....	....	.....	.....	.....
Depository Institutions	277.10	270.29	267.60	....	....	....	.....	.....	.....
Services	......	......	......	....	....	....	.....	.....	.....
Health Services	......	......	......	....	....	....	.....	.....	.....
Hospitals	422.81	421.26	386.66	34.6	34.7	34.4	12.22	12.14	11.24

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

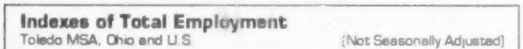
Toledo
Metropolitan Statistical Area

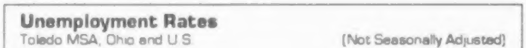


Nonfarm wage and salary employment in the Toledo metropolitan area totaled 295,000 in August 1990, down 200 from the July level. Seasonal reductions in state and local government outweighed modest increases in retail trade, lowering employment in service-producing industries 400. Slight growth in construction raised the workforce in goods-producing industries 200 over the month to 73,900. Manufacturing employment was unchanged as scattered declines among producers of durable goods, especially fabricated metal products, offset improvements in nondurable goods. Factory production workers averaged $13.58 per hour, up 12 cents from July. Their average workweek of 42.9 hours was 0.1 hours longer.

Nonagricultural payroll employment advanced 4,900 between August 1989 and August 1990. Employment in service-producing industries increased 5,700. Leading areas of expansion were services (+2,400) and retail trade (+2,000). The workforce in goods-producing industries decreased 800 during the period. Over-the-year reductions in manufacturing overshadowed modest growth in construction. Noteworthy cutbacks occurred in transportation equipment, stone, clay, and glass products, and rubber and miscellaneous plastics products.

Seasonally adjusted employment in the Toledo area was unchanged from the July level at 298,000 in August 1990. Since August 1989, total payroll employment advanced 5,000 primarily due to growth in retail trade, services, government, and construction. Manufacturing employment declined 2,000 during the period.





Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed								
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
311.0	292.7	18.2	5.9	1988	286.6	62.7	44.9	566.78	43.2	13.12
317.9	299.0	18.9	5.9	1989	293.7	61.6	44.0	576.81	43.5	13.26
				1989						
317.4	301.0	16.4	5.2	August	290.1	61.6	44.0	575.92	43.4	13.27
318.6	300.8	17.8	5.6	September	296.6	61.3	43.9	565.04	43.1	13.11
322.6	302.5	20.0	6.2	October	298.1	60.1	42.8	580.32	43.6	13.31
321.1	300.0	21.1	6.6	November	299.3	60.3	42.9	586.94	43.9	13.37
320.3	299.7	20.6	6.4	December	300.7	60.4	43.1	565.02	43.0	13.14
				1990						
315.8	283.0	32.8	10.4	January	281.2	51.1	34.3	522.88	42.1	12.42
313.2	290.2	23.0	7.4	February	289.9	59.2	42.3	551.34	41.8	13.19
314.3	292.3	22.0	7.0	March	292.7	59.0	42.3	588.60	43.6	13.50
315.5	295.1	20.4	6.5	April	297.1	59.9	43.2	581.79	43.0	13.53
318.8	297.5	21.3	6.7	May	300.1	59.6	42.9	589.37	43.4	13.58
319.9	298.7	21.2	6.6	June	299.4	60.3	43.3	585.90	43.4	13.50
316.3	297.7	18.6	5.9	July	295.2	60.0	43.1	576.09	42.8	13.46
INA	INA	INA	INA	August	295.0	60.0	43.2	582.58	42.9	13.58

INA – Information not available

Toledo MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods–Producing Industries	Construction	Manufacturing		Service–Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
268	88	10	77	1979	180	18	14	47	9	53	39
257	77	10	66	1980	180	16	14	46	9	54	40
254	76	9	66	1981	179	16	14	46	9	55	39
244	68	7	60	1982	177	14	14	44	9	57	38
245	67	7	60	1983	178	14	14	44	9	58	39
257	73	8	65	1984	184	14	15	47	10	59	39
265	74	9	66	1985	190	14	15	50	10	62	40
272	73	9	63	1986	199	14	15	52	11	67	41
278	73	10	62	1987	206	14	15	54	12	70	42
287	74	11	63	1988	213	13	15	57	12	73	42
294	74	12	62	1989	220	14	16	59	12	76	43
				1989							
293	73	12	61	August	220	14	16	59	12	77	43
294	72	12	60	September	221	14	16	59	12	77	43
293	72	12	60	October	221	14	16	59	12	77	43
294	72	12	60	November	222	15	16	59	12	77	44
296	73	12	60	December	223	15	16	59	12	77	44
				1990							
286	64	12	52	January	222	15	16	60	12	76	43
295	72	12	60	February	223	15	16	60	12	77	44
296	72	12	59	March	224	15	16	60	12	77	44
297	73	13	60	April	224	15	16	60	12	78	44
298	73	13	60	May	225	15	16	60	12	78	44
299	73	13	60	June	226	15	16	61	12	78	44
298	73	13	60	July	225	14	16	60	12	79	43
298	72	13	59	August	226	14	16	61	12	79	44

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[p]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	295.0	295.2	290.1	-.2	4.9
Goods-Producing Industries[e]	73.9	73.7	74.7	.2	-.8
Construction	13.6	13.4	12.7	.2	.9
Manufacturing	60.0	60.0	61.6	.0	-1.7
Durable Goods[f]	44.7	45.0	45.6	-.3	-.9
Stone, Clay, and Glass Products	7.7	7.7	8.0	.0	-.3
Primary Metal Industries	3.6	3.5	3.4	.2	.2
Fabricated Metal Products	7.1	7.4	7.1	-.3	.0
Metal Forgings and Stampings	2.4	2.6	2.8	-.2	-.4
Industrial Machinery and Equipment	5.7	5.7	5.9	-.1	-.2
Transportation Equipment	13.8	13.8	14.6	-.1	-.8
Nondurable Goods[g]	15.2	15.0	16.0	.2	-.8
Food and Kindred Products	3.9	3.8	4.1	.1	-.2
Rubber and Miscellaneous Plastics Products	4.1	4.1	4.3	.0	-.3
Service-Producing Industries	221.1	221.5	215.4	-.4	5.7
Transportation and Public Utilities	14.7	14.8	14.6	.0	.2
Transportation	9.7	9.8	9.6	-.1	.2
Communications, Electric, Gas Services	5.0	5.0	5.0	.0	.0
Wholesale Trade	16.3	16.5	15.9	-.1	.5
Wholesale Trade-Durable Goods	10.9	10.9	10.5	-.1	.4
Wholesale Trade-Nondurable Goods	5.5	5.5	5.4	-.1	.1
Retail Trade	60.9	60.3	58.9	.6	2.0
General Merchandise Stores	8.2	8.1	8.2	.1	.0
Finance, Insurance, and Real Estate	12.2	12.1	12.2	.0	-.1
Finance	6.3	6.3	6.4	.0	-.1
Insurance	3.7	3.7	3.7	.0	.0
Services	79.6	79.6	77.1	-.1	2.4
Business Services	14.2	14.2	13.8	.0	.4
Personnel Supply Services	5.5	5.5	5.5	.0	.0
Health Services	27.9	28.0	27.8	.0	.1
Nursing and Personal Care Facilities	4.2	4.2	4.2	.0	.0
Hospitals	15.2	15.2	15.2	.0	-.1
Engineering and Management Services	6.6	6.6	6.1	.0	.5
Government	37.4	38.2	36.7	-.8	.6
Federal Government	2.9	2.9	2.7	.0	.3
State Government	12.6	13.2	12.2	-.6	.4
State Government Education[h]	8.1	8.7	7.9	-.5	.2
Local Government	21.9	22.1	21.8	-.2	.0
Local Government Education	11.4	11.4	11.3	.0	.1

Toledo MSA

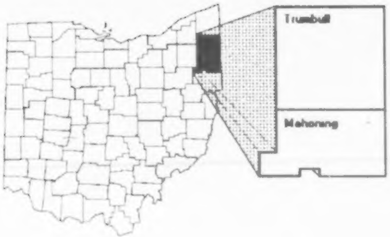
Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$582.58	$576.09	$575.92	42.9	42.8	43.4	$13.58	$13.46	$13.27
Durable Goods[f]	591.16	582.00	580.13	42.9	42.7	43.1	13.78	13.63	13.46
Stone, Clay, and Glass Products	539.57	540.33	530.88	43.2	43.4	44.8	12.49	12.45	11.85
Primary Metal Industries	503.30	524.96	484.50	43.5	45.1	42.8	11.57	11.64	11.32
Fabricated Metal Products	522.22	489.72	464.63	43.7	42.4	41.3	11.95	11.55	11.25
Metal Forgings and Stampings	760.70	661.99	640.90	44.8	41.4	42.5	16.98	15.99	15.08
Industrial Machinery and Equipment	484.04	510.41	491.42	41.3	43.0	42.4	11.72	11.87	11.59
Transportation Equipment	758.04	735.91	755.17	42.9	42.1	44.5	17.67	17.48	16.97
Nondurable Goods[g]	553.83	556.85	559.57	42.8	43.1	44.2	12.94	12.92	12.66
Food and Kindred Products	664.76	704.05	689.22	45.5	47.7	48.4	14.61	14.76	14.24
Rubber and Miscellaneous Plastics Products	376.18	380.69	384.91	40.8	41.2	43.2	9.22	9.24	8.91
Transportation and Public Utilities	......	......	......	....	....	....	.....	.....	.....
Communications, Electric, Gas Services	633.77	638.69	611.95	40.6	41.1	41.8	15.61	15.54	14.64
Wholesale Trade	411.05	413.52	406.61	39.6	39.8	40.1	10.38	10.39	10.14
Retail Trade[i]	165.78	169.46	165.05	27.0	27.6	27.6	6.14	6.14	5.98
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	353.82	355.11	343.44	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [h] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor- management disputes.

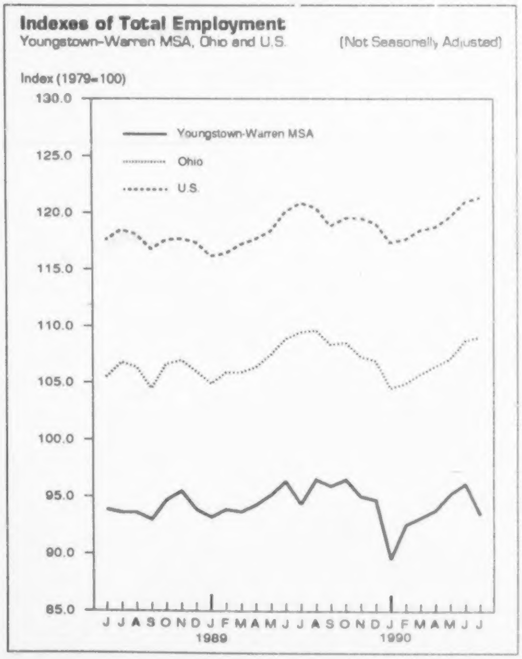
Youngstown-Warren
Metropolitan Statistical Area

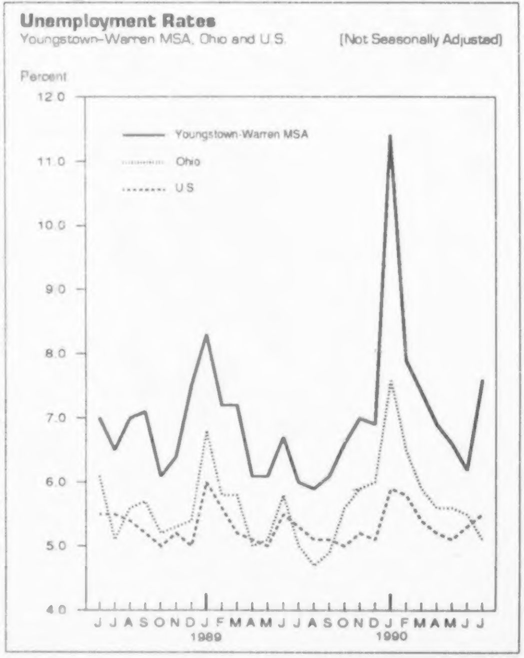


Nonagricultural payroll employment in the Youngstown-Warren metropolitan area rose 4,900 above the July level to 201,300 in August 1990. Increases in manufacturing primarily due to the return of employees from temporary shutdowns for model changeovers in transportation equipment boosted employment in goods-producing industries 5,000 to 57,900. Slight declines in services lowered the workforce in service-producing industries 100 over the month. Manufacturing production workers averaged $14.50 per hour, up 14 cents from July. Their average workweek of 42.0 hours was 0.1 hours shorter.

Nonfarm wage and salary employment advanced 3,500 between August 1989 and August 1990. The improvement was concentrated in the service-producing sector. Noteworthy expansion occurred in retail trade (+1,300), services (+1,300), and wholesale trade (+1,000). Over-the-year reductions in durable-goods manufacturing, particularly transportation equipment, lowered employment in goods-producing industries 800.

Seasonally adjusted employment in the Youngstown-Warren area increased 5,000 from July to 202,000 in August 1990. A majority of the gain was posted in manufacturing. Since August 1989, total payroll employment advanced 3,000. Growth in retail trade, wholesale trade, services, and government outweighed a reduction in manufacturing.


Indexes of Total Employment
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]


Unemployment Rates
Youngstown-Warren MSA, Ohio and U.S. [Not Seasonally Adjusted]

Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
Total	Employed	Unemployed				Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
		Total	Rate					Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	$377.29	40.7	$9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.4	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
221.3	204.9	16.4	7.4	1988	193.8	50.5	38.5	574.86	42.3	13.59
223.9	209.0	15.0	6.7	1989	198.1	50.0	37.8	599.63	42.8	14.01
				1989						
225.8	212.5	13.3	5.9	August	197.8	49.5	37.3	590.10	42.0	14.05
225.0	211.2	13.8	6.1	September	201.0	50.2	38.1	618.88	43.4	14.26
227.5	212.5	15.0	6.6	October	202.2	50.0	37.9	617.46	43.3	14.26
224.9	209.1	15.8	7.0	November	201.3	49.7	37.6	617.58	43.4	14.23
224.0	208.5	15.5	6.9	December	202.1	49.6	37.2	596.71	42.2	14.14
				1990						
222.3	197.0	25.3	11.4	January	189.0	41.5	29.2	579.83	42.2	13.74
221.0	203.7	17.4	7.9	February	196.2	49.2	36.9	591.63	41.9	14.12
221.3	205.0	16.3	7.4	March	198.2	49.3	37.0	596.24	41.9	14.23
221.7	206.5	15.2	6.9	April	200.8	49.3	37.1	602.45	42.1	14.31
224.2	209.5	14.7	6.6	May	204.4	49.8	37.5	628.72	43.3	14.52
225.7	211.6	14.1	6.2	June	205.0	50.1	37.8	636.08	43.3	14.69
222.4	205.5	16.9	7.6	July	196.4	43.6	31.2	604.56	42.1	14.36
INA	INA	INA	INA	August	201.3	48.3	35.9	609.00	42.0	14.50

INA – Information not available

Youngstown-Warren MSA Nonagricultural Wage and Salary Employment

Seasonally Adjusted

(In Thousands)

Total	Goods-Producing Industries	Construction	Manufacturing		Service-Producing Industries	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
214	87	7	80	1979	127	10	8	38	7	37	26
203	78	7	71	1980	125	10	8	37	7	38	26
199	75	6	67	1981	124	9	8	36	7	39	25
181	59	5	53	1982	121	8	8	35	7	39	24
177	58	5	53	1983	119	8	8	34	7	39	24
182	61	6	55	1984	121	8	8	35	7	40	23
184	60	6	53	1985	124	8	9	37	7	41	23
187	59	7	52	1986	128	8	9	37	8	43	24
188	57	7	49	1987	131	8	10	39	8	44	24
194	58	7	51	1988	135	8	10	40	8	45	24
198	58	8	50	1989	140	8	11	42	9	46	24
				1989							
199	58	8	50	August	140	8	11	42	9	47	24
199	58	8	50	September	141	8	11	42	9	47	24
200	58	8	49	October	142	8	11	43	9	47	25
199	57	8	49	November	142	8	11	42	9	47	24
200	58	8	50	December	142	8	12	42	9	47	24
				1990							
193	50	8	42	January	143	8	12	43	9	47	25
201	58	8	50	February	143	8	12	43	9	47	24
201	58	8	49	March	143	8	12	43	9	48	24
201	58	8	49	April	144	8	12	43	9	48	24
202	58	8	50	May	144	8	12	43	9	48	25
202	58	8	50	June	144	8	12	43	9	48	24
197	53	8	45	July	144	8	12	43	9	48	25
202	57	8	49	August	145	6	12	44	9	48	25

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Youngstown–Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	201.3	196.4	197.8	4.9	3.5
Goods-Producing Industries[e]	57.9	52.9	58.7	5.0	-.8
Construction	9.0	8.7	8.8	.3	.3
Manufacturing	48.3	43.6	49.5	4.7	-1.2
Durable Goods[f]	43.0	38.4	44.2	4.6	-1.3
Primary Metal Industries	18.2	17.9	18.2	.3	-.1
Blast Furnace and Basic Steel Products	6.0	6.0	6.1	.0	-.2
Fabricated Metal Products	7.4	7.3	7.1	.1	.2
Metal Forgings and Stampings	3.9	3.9	3.5	.0	.3
Industrial Machinery and Equipment	4.2	4.2	4.4	.0	-.1
Transportation Equipment	8.2	4.0	9.2	4.2	-1.0
Nondurable Goods[g]	5.3	5.2	5.2	.1	.1
Service-Producing Industries	143.4	143.5	139.1	-.1	4.3
Transportation and Public Utilities	8.0	7.9	7.8	.1	.1
Wholesale Trade	12.0	12.0	11.0	.0	1.0
Wholesale Trade-Durable Goods	7.4	7.4	7.1	.0	.3
Wholesale Trade-Nondurable Goods	4.6	4.6	4.0	.0	.7
Retail Trade	44.0	43.9	42.7	.1	1.3
General Merchandise Stores	5.2	5.2	5.3	-.1	-.1
Finance, Insurance, and Real Estate	8.8	8.8	8.8	.0	.0
Finance	4.8	4.8	4.8	.0	.0
Services	48.5	48.8	47.1	-.3	1.3
Health Services	21.5	21.5	21.3	-.1	.2
Nursing and Personal Care Facilities	4.9	5.0	4.7	.0	.2
Hospitals	10.8	10.8	10.9	-.1	-.2
Government	22.2	22.1	21.6	.1	.6
State Government	3.3	3.5	3.4	-.1	-.1
State Government Education[h]	1.7	1.9	1.8	-.1	-.1
Local Government	16.7	16.5	16.1	.2	.6
Local Government Education	9.8	9.5	9.3	.2	.5

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$609.00	$604.56	$590.10	42.0	42.1	42.0	$14.50	$14.36	$14.05
Durable Goods[f]	625.61	619.29	605.40	42.1	42.1	42.1	14.86	14.71	14.38
Primary Metal Industries	686.38	690.26	655.52	42.5	42.9	41.7	16.15	16.09	15.72
Blast Furnace and Basic Steel Products	665.42	662.63	625.14	46.5	46.5	45.3	14.31	14.25	13.80
Fabricated Metal Products	592.20	598.33	587.77	42.0	41.9	43.7	14.10	14.28	13.45
Metal Forgings and Stampings	696.21	715.28	681.65	42.4	42.5	43.5	16.42	16.83	15.67
Industrial Machinery and Equipment	505.53	502.25	514.31	41.1	40.8	42.4	12.30	12.31	12.13
Transportation Equipment	687.74	702.41	664.60	43.5	44.4	43.1	15.81	15.82	15.42
Nondurable Goods[g]	440.23	463.70	427.99	40.8	41.7	40.8	10.79	11.12	10.49
Wholesale Trade	384.90	377.30	377.33	38.8	38.5	38.9	9.92	9.80	9.70
Retail Trade[i]	183.48	182.27	186.41	27.8	27.7	28.9	6.60	6.58	6.45
Finance, Insurance, and Real Estate	......	......	......	....	....	....	.....	.....	.....
Finance	231.02	225.26	216.57	....	....	....	.....	.....	.....

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes mining. [f] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [g] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [h] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Minor Metropolitan Areas

Hamilton–Middletown PMSA
Total nonagricultural payroll employment in the Hamilton-Middletown metropolitan area rose 300 from July to 94,100 in August 1990. Modest gains in durable-goods manufacturing, especially primary metal industries, and improvements in construction and mining increased employment in goods-producing industries 300 to 27,900. Employment in the service-producing sector was unchanged over the month as more business in retail trade offset declines in wholesale trade. Manufacturing production workers averaged $13.95 per hour, up 4 cents from July. Their average workweek of 45.7 hours was 0.1 hours longer. Nonfarm wage and salary employment advanced 1,100 between August 1989 and August 1990. Service-producing industries added 1,400 jobs. Notable gains were posted in services, particularly health services, retail trade, and state government. Employment in goods-producing industries declined 200. Over-the-year reductions in manufacturing outweighed growth in construction and mining. Employment declined in paper and allied products and primary metal industries.

Lima MSA
Nonagricultural payroll employment in the Lima metropolitan area totaled 75,300 in August 1990, down 300 from July. Goods-producing industries, at 26,800, lost 400 jobs. Declines in manufacturing, particularly industrial machinery and equipment and transportation equipment, negated nominal gains in construction and mining. Scattered increases raised employment in service-producing industries 100. Manufacturing production workers averaged $13.15 per hour, down 8 cents from July. Their average workweek was 0.1 hours longer at 41.8 hours. Nonfarm wage and salary employment advanced 1,900 between August 1989 and August 1990. The improvement was concentrated in the service-producing sector. Noteworthy expansion occurred in retail trade, services, especially health services, and transportation and public utilities. The workforce in goods-producing industries declined 200 over the year as decreased production in manufacturing outweighed modest growth in construction and mining. Reductions in transportation equipment outweighed slight increases in fabricated metal products and food and kindred products.

Lorain–Elyria PMSA
In the Lorain-Elyria metropolitan area, nonfarm wage and salary employment increased 500 from July to 94,000 in August 1990. Modest growth in manufacturing, especially transportation equipment, raised employment in goods-producing industries 300 to 33,400. The service-producing sector added 100 jobs due to scattered increases. Factory production workers averaged $13.48 per hour, up 6 cents from July. Their average workweek was 0.6 hours longer at 42.8 hours. Nonagricultural payroll employment advanced 1,400 between August 1989 and August 1990. Notable improvements in retail trade, services, government, and transportation and public utilities increased employment in service-producing industries 1,800. Employment in goods-producing industries dropped 500 over the year. Reduced production in durable-goods manufacturing, particularly transportation equipment, outweighed modest growth in construction and mining.

Mansfield MSA
Nonfarm wage and salary employment in the Mansfield metropolitan area totaled 59,900 in August 1990, down 300 from July. Reductions in durable-goods manufacturing, particularly fabricated metal products and electronic and other electric equipment, lowered employment in goods-producing industries 300 to 20,300. Employment in the service-producing sector was unchanged over the month. More business in retail trade counterbalanced declines in services. Manufacturing production workers averaged $13.53 per hour, up fractionally from July. Their average workweek was unchanged at 41.5 hours. Nonagricultural payroll employment declined 300 between August 1989 and August 1990. Employment in goods-producing industries dropped 1,000 over the year. Reduced production in durable-goods manufacturing, especially electronic and other electric equipment, negated marginal growth in construction and mining. Expansion in retail trade helped increase employment in service-producing industries 700.

Steubenville–Weirton MSA
Nonagricultural payroll employment in the Steubenville-Weirton metropolitan area totaled 53,200 in August 1990, down 100 from July. The service-producing sector lost 100 jobs. Declines in services counterbalanced seasonal gains in retail trade. Employment in goods-producing industries was unchanged at 20,600. Nominal growth in construction was offset by reductions in manufacturing. Factory production workers averaged $11.67 per hour, down fractionally from July. Their average workweek was unchanged at 44.1 hours. Nonfarm wage and salary employment advanced 1,500 between August 1989 and August 1990. Service-producing industries contributed 86.7 percent of the improvement. Noteworthy expansion occurred in services (+600) and retail trade (+500). The workforce in goods-producing industries increased 200 over the year. Modest growth in construction outweighed production cutbacks in durable-goods manufacturing, especially primary metal industries.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Hamilton-Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	129.4	129.5	131.9	-.1	-2.5
Employment	122.7	121.6	125.3	1.0	-2.7
Unemployment	6.8	7.9	6.6	-1.1	.2
Unemployment Rate	5.2	6.1	5.0		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Hamilton-Middletown PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	93.4	94.0	93.1	-.6	.2
Goods-Producing Industries	27.6	27.7	28.3	-.1	-.7
Construction and Mining	6.3	6.3	5.9	.0	.5
Manufacturing	21.3	21.3	22.4	-.1	-1.2
Durable Goods	14.6	14.7	15.5	-.1	-.8
Primary Metal Industries	6.6	6.6	6.9	-.1	-.4
Fabricated Metal Products	2.4	2.5	2.5	-.1	-.1
Industrial Machinery and Equipment	2.4	2.4	2.4	.0	.0
Nondurable Goods	6.6	6.6	7.0	.0	-.3
Paper and Allied Products	4.7	4.6	5.0	.0	-.3
Paper Mills	3.5	3.4	3.8	.0	-.3
Service-Producing Industries	65.8	66.3	64.8	-.5	.9
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	5.8	5.8	5.7	.1	.2
Wholesale Trade–Durable Goods	4.0	3.9	3.9	.1	.1
Retail Trade	17.9	17.9	17.6	.0	.3
Food Stores	3.0	3.0	3.2	.1	-.2
Finance, Insurance, and Real Estate	4.7	4.7	4.8	.0	-.2
Services	20.2	20.1	19.5	.0	.7
Health Services	8.5	8.5	8.1	.1	.4
Government	13.7	14.3	13.9	-.6	-.2
State Government	3.5	3.7	3.5	-.2	.0
Local Government	9.6	9.9	9.8	-.3	-.2
Local Government Education	6.0	6.4	6.0	-.4	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Hamilton-Middletown PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$635.69	$653.33	$604.27	45.7	46.5	45.4	$13.91	$14.05	$13.31
Durable Goods	659.27	686.83	616.06	46.2	47.4	45.6	14.27	14.49	13.51
Primary Metal Industries	773.33	816.08	738.46	49.1	50.5	49.1	15.75	16.16	15.04
Fabricated Metal Products	487.63	519.96	471.11	40.2	42.0	40.3	12.13	12.38	11.69
Industrial Machinery and Equipment	630.50	653.87	633.91	48.5	49.8	48.8	13.00	13.13	12.99
Nondurable Goods	580.65	571.03	571.71	44.7	44.3	44.7	12.99	12.89	12.79
Paper and Allied Products	603.13	593.43	600.44	45.9	45.3	45.8	13.14	13.10	13.11
Paper Mills	602.52	602.99	622.17	45.2	45.1	46.5	13.33	13.37	13.38
Wholesale Trade	433.65	443.92	427.91	41.3	41.8	42.2	10.50	10.62	10.14
Retail Trade[i]	178.13	178.23	167.61	28.5	28.7	28.7	6.25	6.21	5.84

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	80.8	80.3	80.8	.5	.0
Employment	76.2	75.1	76.1	1.1	.1
Unemployment	4.6	5.1	4.7	-.6	-.1
Unemployment Rate	5.6	6.4	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lima MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	76.0	75.9	73.4	.0	2.5
Goods-Producing Industries	27.2	27.1	26.9	.1	.2
Construction and Mining	3.8	3.7	3.5	.1	.3
Manufacturing	23.4	23.4	23.4	.0	-.1
Durable Goods	17.0	17.1	17.2	-.1	-.2
Fabricated Metal Products	2.8	2.8	2.5	.0	.3
Industrial Machinery and Equipment	4.3	4.3	4.1	.0	.2
Transportation Equipment	7.2	7.3	7.7	-.1	-.5
Motor Vehicles and Equipment	3.5	3.6	3.5	-.1	.0
Nondurable Goods	6.4	6.3	6.2	.1	.2
Food and Kindred Products	2.0	1.9	1.9	.1	.1
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	.0	.0
Service-Producing Industries	48.8	48.8	46.5	-.1	2.3
Transportation and Public Utilities	3.4	3.3	3.1	.1	.3
Wholesale Trade	3.5	3.5	3.5	.0	.0
Retail Trade	15.2	15.1	14.1	.1	1.1
General Merchandise Stores	2.2	2.2	2.0	.0	.2
Finance, Insurance, and Real Estate	2.1	2.1	2.1	.0	.0
Services	15.1	15.0	14.4	.1	.7
Health Services	6.6	6.6	6.1	.0	.5
Hospitals	3.1	3.2	2.9	.0	.2
Government	9.5	9.8	9.3	-.3	.2
Local Government	7.1	7.2	6.9	-.2	.2
Local Government Education	4.1	4.3	3.9	-.2	.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lima MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$554.76	$558.67	$552.08	41.9	42.1	42.5	$13.24	$13.27	$12.99
Durable Goods	550.44	554.34	545.58	41.7	41.9	42.0	13.20	13.23	12.99
Fabricated Metal Products	352.48	370.18	351.55	40.1	41.5	39.5	8.79	8.92	8.90
Industrial Machinery and Equipment	449.86	439.88	472.12	39.6	39.1	40.7	11.36	11.25	11.60
Transportation Equipment	706.49	711.94	665.68	43.0	43.2	42.4	16.43	16.48	15.70
Motor Vehicles and Equipment	820.73	848.18	747.16	46.5	47.2	44.5	17.65	17.97	16.79
Nondurable Goods	570.95	569.50	569.84	42.8	42.5	43.8	13.34	13.40	13.01
Food and Kindred Products	384.19	370.87	377.01	41.4	40.4	42.6	9.28	9.18	8.85
Rubber and Miscellaneous Plastics Products	626.04	633.86	613.08	46.1	46.2	46.8	13.58	13.72	13.10
Wholesale Trade	369.19	364.22	370.17	38.1	37.9	38.6	9.69	9.61	9.59
Retail Trade[i]	190.95	191.14	178.20	30.7	30.1	29.8	6.22	6.35	5.98
General Merchandise Stores	169.20	171.88	167.82	28.2	27.5	27.2	6.00	6.25	6.17

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	119.2	120.2	120.8	-1.1	-1.6
Employment	112.2	112.7	113.7	-.5	-1.5
Unemployment	7.0	7.6	7.1	-.6	-.1
Unemployment Rate	5.9	6.3	5.9		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	93.7	95.5	92.6	-1.7	1.1
Goods–Producing Industries	33.1	32.8	33.8	.3	-.7
Construction and Mining	4.7	4.5	4.5	.2	.3
Manufacturing	28.3	28.3	29.3	.0	-1.0
Durable Goods	23.6	23.5	24.7	.0	-1.2
Primary Metal Industries	4.3	4.4	4.4	.0	.0
Fabricated Metal Products	4.2	4.2	4.3	.0	-.1
Transportation Equipment	7.7	7.7	8.4	.0	-.7
Nondurable Goods	4.8	4.8	4.6	.0	.2
Service–Producing Industries	60.6	62.7	58.8	-2.0	1.8
Transportation and Public Utilities	3.4	3.6	3.2	-.1	.2
Wholesale Trade	2.4	2.5	2.5	.0	-.1
Retail Trade	17.6	17.7	16.9	-.1	.7
Finance, Insurance, and Real Estate	3.3	3.3	3.2	.0	.1
Services	21.1	21.5	20.7	-.3	.4
Health Services	8.7	8.7	8.4	.0	.3
Hospitals	4.2	4.2	4.1	.0	.1
Government	12.7	14.2	12.3	-1.5	.4
Local Government	10.5	11.8	10.3	-1.4	.2
Local Government Education	6.3	7.7	6.0	-1.4	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Lorain–Elyria PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$565.90	$578.23	$546.48	42.2	42.8	41.4	$13.41	$13.51	$13.20
Durable Goods	597.92	611.51	573.61	42.8	43.4	41.9	13.97	14.09	13.69
Primary Metal Industries	632.26	637.06	558.55	44.4	44.8	40.8	14.24	14.22	13.69
Fabricated Metal Products	411.03	437.47	424.54	42.2	44.1	43.1	9.74	9.92	9.85
Transportation Equipment	721.63	764.62	651.25	42.7	44.3	40.3	16.90	17.26	16.16
Nondurable Goods	392.78	394.21	381.09	39.2	39.5	38.3	10.02	9.98	9.95
Wholesale Trade	366.91	361.37	362.16	38.3	38.2	38.9	9.58	9.46	9.31
Retail Trade[f]	167.40	165.54	172.06	27.0	26.7	28.3	6.20	6.20	6.08

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Money payments only; tips not included. [f] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	65.3	65.3	66.8	-.1	-1.5
Employment	61.3	61.1	62.9	.2	-1.6
Unemployment	4.0	4.2	3.9	-.3	.1
Unemployment Rate	6.1	6.5	5.8		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Mansfield MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	60.6	61.2	60.8	-.6	-.1
Goods–Producing Industries	20.9	20.8	21.6	.1	-.8
Construction and Mining	2.5	2.3	2.3	.2	.2
Manufacturing	18.4	18.6	19.4	-.1	-.9
Durable Goods	16.4	16.5	17.3	-.1	-.9
Fabricated Metal Products	5.3	5.4	5.3	-.1	.0
Electronic and Other Electric Equipment	3.2	3.3	3.6	.0	-.4
Nondurable Goods	2.1	2.1	2.1	.0	.0
Service–Producing Industries	39.7	40.4	39.1	-.7	.6
Transportation and Public Utilities	3.0	3.0	3.0	.0	.0
Wholesale Trade	2.2	2.3	2.2	.0	.0
Retail Trade	12.4	12.6	11.7	-.2	.7
Finance, Insurance, and Real Estate	2.4	2.5	2.5	.0	.0
Services	12.6	12.7	[illegible]	-.1	.1
Health Services	4.4	4.4	4.4	.0	.1
Government	7.1	7.4	7.1	-.4	.0
Local Government	5.3	5.5	5.3	-.3	-.1
Local Government Education	3.5	3.8	3.6	-.3	-.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Mansfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$565.14	$571.90	$343.43	41.8	42.3	44.2	$13.52	$13.52	$7.77
Durable Goods	583.08	589.53	346.66	41.5	41.9	44.5	14.05	14.07	7.79
Fabricated Metal Products	697.19	727.95	031.77	40.7	42.2	51.9	17.13	17.25	19.88
Electronic and Other Electric Equipment	443.30	441.10	457.97	40.3	40.1	41.9	11.00	11.00	10.93
Nondurable Goods	404.93	419.07	308.39	44.4	45.8	40.9	9.12	9.15	7.54
Wholesale Trade	343.14	341.85	328.80	39.9	40.6	40.0	8.60	8.42	8.22
Retail Trade[i]	166.96	165.36	161.01	26.8	26.8	28.1	6.23	6.17	5.73

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included. [j] Depressed due to labor-management disputes.

Civilian Labor Force Estimates[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Jul. 1990[b]	Jun. 1990[c]	Jul. 1989[c]	From Last Month	From Last Year
Civilian Labor Force	57.7	58.4	56.9	-.7	.8
Employment	54.5	55.0	53.8	-.5	.7
Unemployment	3.2	3.4	3.1	-.2	.1
Unemployment Rate	5.6	5.9	5.4		

Nonagricultural Wage and Salary Employment[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Estimates (in thousands)			Change[d] (in thousands)	
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	From Last Month	From Last Year
Total	53.4	54.4	51.6	-1.0	1.8
Goods–Producing Industries	20.8	20.8	20.4	.0	.3
Mining	1.0	1.0	.9	.0	.0
Construction	2.0	2.0	1.7	.0	.4
Manufacturing	17.8	17.8	17.9	.0	-.1
Durable Goods	16.1	16.1	16.3	.0	-.2
Primary Metal Industries	12.8	12.8	13.0	.0	-.2
Nondurable Goods	1.7	1.7	1.6	.0	.1
Service–Producing Industries	32.7	33.7	31.2	-1.0	1.5
Transportation and Public Utilities	3.5	3.5	3.3	.0	.2
Wholesale Trade	1.4	1.4	1.4	.0	.0
Retail Trade	9.6	9.7	9.0	-.1	.6
General Merchandise Stores	1.8	1.7	1.6	.0	.2
Finance, Insurance, and Real Estate	1.7	1.7	1.7	.0	.0
Services	10.7	11.2	10.1	-.5	.6
Health Services	4.6	4.6	4.5	.0	.1
Hospitals	2.4	2.5	2.4	.0	.0
Government	5.9	6.2	5.7	-.3	.2
Local Government	5.0	5.3	4.8	-.3	.2
Local Government Education	2.9	3.2	2.9	-.3	0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Not Seasonally Adjusted

Steubenville–Weirton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]	Aug. 1990[b]	Jul. 1990[c]	Aug. 1989[c]
Manufacturing	$513.34	$509.68	$500.09	43.8	43.6	43.0	$11.72	$11.69	$11.63
Durable Goods	542.39	536.98	528.94	44.9	44.6	44.3	12.08	12.04	11.94
Primary Metal Industries	573.42	573.29	554.40	45.8	45.9	45.0	12.52	12.49	12.32
Nondurable Goods	194.17	206.01	169.20	32.2	32.7	28.2	6.03	6.30	6.00
Wholesale Trade	337.05	336.31	323.40	39.7	39.8	38.5	8.49	8.45	8.40
Retail Trade[i]	168.60	163.41	165.59	28.1	27.1	29.0	6.00	6.03	5.71

[a] See Technical Notes for concepts. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [i] Money payments only; tips not included.
[j] Depressed due to labor-management disputes.

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural
Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Goods–Producing Industries	51	.4
Mining	52	1.4
Construction	19	1.4
Manufacturing	57	.4
Service–Producing Industries	38	.2
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.3
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1989 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	August 1990	July 1990	August 1989
New Applicants	35,485	34,100	43,692
Applicants Active This Program Year	269,921	226,211	328,134
Counseling Interviews	822	721	807
Tests Administered	2,364	2,202	1,638
General Aptitude Tests	323	408	96
Proficiency Tests	352	321	402
Specific Aptitude Tests	0	0	192
Referrals to Jobs	25,126	25,314	30,703
Placements	6,645	7,342	11,687
Job Openings Received	INA	INA	44,961
Job Openings Unfilled	20,772	17,590	24,892

INA – Information not available

Selected Unemployment Insurance Activities

	Ohio		
	August 1990	July 1990	August 1989
Initial Claims	53,806	66,696	50,739
Continued Claims	357,902	375,903	343,575
First Payments	20,544	20,720	23,255
Last Payments	6,732	6,573	6,004
Average Weekly Claimants	80,780	82,996	72,760
Average Weekly Benefit Recipients	68,993	66,915	59,744
Weeks Compensated	330,942	275,970	282,116
Benefits Paid	$55,074,257	$44,830,414	$43,065,986
Average Weekly Payment	$170.08	$166.25	$159.68
Continued Claims for Survey Week	77,517	89,540	70,095
Insured Unemployment Rate	1.8	1.8	1.6
Net Contributions	$138,938,763	$34,060,195	$123,951,831
Active Employer Accounts	207,219	207,019	204,563

OHIO BUREAU OF EMPLOYMENT SERVICES
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